

Carpenter Contractors of America

190 Gillis Hill Rd Fayetteville, NC 28306 Phone:(910) 875-7575

Fax :(910) 875-5419

Engineering Package

BUILDER :	ADAM:	SHOMES				CAROLINA SEASONS
PROJECT:	1L1-V	ARIOUS				
MODEL :	3130 E	LEVATION	В			76391
OPTIONS:	ALT:03	B=16'X14' C	OVER	ED PORCH		
LOT ALTS:	03/					
BLOCK#		L	_OT#	5	U	NIT#
REVISION I	DATE:	06/13/23			LOAD#	R/01
					_	
					_	-

JOB #: 76391

Date: 6/28/2023

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Project Name: VARIOUS

1-910-875-7575

	A1				Qty: (4)	Span: 31'	04"00	
•	Brg.	#1	Size=	00'03"08	React	ion=	1335.1	Uplift=	116
	Brg.	#2	Size=	00'03"08	React	ion=	1335.1	Uplift=	116
A									
	A1A				Qty: (1)	Span: 31'	04"00	
A	Brg.	#1	Size=	00'03"08	React	ion=	1337.12	Uplift=	116
	Brg.	#2	Size=	00'03"08	React	ion=	1246.9	Uplift=	76
	A1B				Qty: (3)	Span: 31'	04"00	
	Brg.		Size=	00'03"08	React	ion=	1337.12	Uplift=	116
	Brg.	#2	Size=	00'03"00	React	ion=	1246.9	Uplift=	76
<u> </u>									
	A2A				Qty: (1)	Span: 31'		
4	Brg.			00'03"08				_	142
	Brg.	#2	Size=	00'03"00	React	ion=	1251.29	Uplift=	103
-									
	A3A				Qty: (1)	Span: 31'		
	Brg.			00'03"08				Uplift=	168
	Brg.	#2	Size=	00'03"00	React	ion=	1291.75	Uplift=	129
	- 4-				<u> </u>		a 31.	0.4 !! 0.0	
	A4A				Qty: (Span: 31'		100
	Brg.			00'03"08	React		1341.53	Uplift=	193
	Brg.	#2	Size=	00"03"00	React	ion=	1251.31	Uplift=	155
	A5A				Qty: (1)	Span: 31'	04"00	
	Brg.	#1	Size=	00'03"08	React	ion=	1341.53	Uplift=	216
	Brg.	#2	Size=	00'03"00	React	ion=	1251.31	Uplift=	178

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A6A					Span: 31		
Brg.	#1	Size=	00'03"08	Reaction=	1342.6	Uplift=	239
Brg.	#2	Size=	00'03"00	Reaction=	1250.24	Uplift=	200
A7AG				Qty: (2)	Span: 31	04"00	
Brg.	#1	Size=	00'03"08	Reaction=	1942.67	Uplift=	136
Brg.	#2	Size=	00'03"00	Reaction=	1843.26	Uplift=	118
A2				Qty: (1)	Span: 31	04"00	
Brg.	#1	Size=	00'03"08		_	Uplift=	142
Brg.			00'03"08				142
_						-	
A 3				Qty: (1)	Span: 31	04"00	
Brg.	#1	Size=	00'03"08	Reaction=	1379.94	Uplift=	167
Brg.	#2	Size=	00'03"08	Reaction=	1379.94	Uplift=	167
A4			-	Qty: (1)	Span: 31	04"00	
Brg.	#1	Size=	00'03"08	Reaction=	1339.51	Uplift=	193
 Brg.	#2	Size=	00'03"08	Reaction=	1339.51	Uplift=	193
A5				Qty: (1)	Span: 31	04"00	
Brg.	#1	Size=	00'03"08	Reaction=	1339.51	Uplift=	216
Brg.	#2	Size=	00'03"08	Reaction=	1339.51	Uplift=	216
A 6				Qty: (1)	Span: 31	04"00	
Brg.	#1	Size=	00'03"08	Reaction=	1339.51	Uplift=	237
Brg.	#2	Size=	00'03"08	Reaction=	1339.51	Uplift=	237

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•									
	A7G						Span: 31		
	Brg.			00'03"08				_	
	Brg.	#2	Size=	00'03"08	React	ion=	1967.11	Uplift=	137
	В1				Qty: (3)	Span: 21	'06"00	
	Brg.	#1	Size=	00'03"08	React	ion=	946.17	Uplift=	122
	Brg.	#2	Size=	00'03"08	React	ion=	946.17	Uplift=	122
	В2				Qty: (1)	Span: 21	'06"00	
	Brg.	#1	Size=	00'03"08			946.14		140
	Brg.			00'03"08					140
	,						7-20-2	or	
	B3GE				Qty: (1)	Span: 21	'06"00	
	Brg.	#1	Size=	21'06"00	React	ion=	2506.29	Uplift=	542
	B1G				Qty: ('06"00	
	Brg.	#1	Size=	00'03"08	React	ion=	7019.43	Uplift=	343
	Brg.	#2	Size=	00'03"08	React	ion=	6489.5	Uplift=	333
	M1				Qty: (10)	Span: 10	00"00	
	Brg.	#1	Size=	00'03"08					200
	Brg.			00'03"00		ion=	387.03	_	150
								-	
	M1GE				Qty: (2)	Span: 10	00"00	
	Brg.	#1	Size=	10'00"00	React	ion=	1117.23	Uplift=	521

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				o. (1)	4 4 5	00.00	ĺ
	V1	11.2 A.1		Qty: (1)	_		100
	Brg.	#1 Size=	15.03.03	Reaction=	1263.81	Uplift=	183
Ar t	V2			Oh (1)	d=== 121	001100	
				Qty: (1)	_		100
	Brg.	#1 Size=	13.09.09	Reaction=	1103.81	Uplift=	182
V V U					- 10.	01 :: 00	
	V3A	ua - '		Qty: (1)			000
	Brg.	#1 Size=	12'01"00	Reaction=	1218.77	Uplift=	277
	CP1			Qty: (3)	Span: 16'	00"00	
	Brg.	#1 Size=	00'03"08	Reaction=	717.59	Uplift=	179
	Brg.	#2 Size=	00'03"08	Reaction=	717.59	Uplift=	179
	CP2			Qty: (1)	Span: 16'	00"00	
	Brg.	#1 Size=	00'03"08	Reaction=	717.59	Uplift=	199
	Brg.	#2 Size=	00'03"08	Reaction=	717.59	Uplift=	199
	CP3			Qty: (1)	Span: 16'	00"00	
	Brg.	#1 Size=	00'03"08	Reaction=	1035.54	Uplift=	11
	Brg.	#2 Size=	00'03"08	Reaction=	1034.25	Uplift=	11
	l						
	SF1			Qty: (7)	Span: 19'	00"00	
	Brg.	#1 Size=	00'03"08	Reaction=	1028.9	Uplift=	0
	Brg.	#2 Size=	00'03"08	Reaction=	1048.6	Uplift=	0

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SF2				Qty: (1)	Span: 19'	00"00	
Brg.	#1	Size=	12'00"00	React	ion=	1703.23	Uplift=	0
Brg.	#2	Size=	07'00"00	React	ion=	1122.35	Uplift=	0
SF3				Qty: (8)	Span: 18'	00"08	
Brg.	#1	Size=	00'03"08	React	ion=	976.18	Uplift=	0
Brg.	#2	Size=	00'03"00	React	ion=	995.9	Uplift=	0
SF4				Qty: (7)	Span: 17'	04"00	
Brg.	#1	Size=	00'03"08		ion=	937.21	Uplift=	0
Brg.	#2	Size=	00'03"00	React	ion=	956.95	Uplift=	0
SF5				Qty: (1)	Span: 17'	02"04	
Brg.	#1	Size=	00'03"08	React	ion=	929.19	Uplift=	0
Brg.	#2	Size=	00'03"00	React	ion=	948.93	Uplift=	0
SF6				Qty: (1)	Span: 17'	00"08	
Brg.	#1	Size=	17'00"08	React	ion=	2550.57	Uplift=	0
SF7				Qty: (8)	Span: 14'	00"00	
Brg.	#1	Size=	00'03"08	React	ion=	753.84	Uplift=	0
Brg.	#2	Size=	00'03"08	React	ion=	773.66	Uplift=	0
SF8				Qty: (1)	Span: 14'	00"00	
Brg.	#1	Size=	14'00"00	React	ion=	2077.25	Uplift=	0

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SF9				Qty: (3)	_		
Brg.	#1	Size=	00'03"00	Reaction=		_	0
Brg.	#2	Size=	00'03"08	Reaction=	698.82	Uplift=	0
SF10			(Qty: (2)	Span: 13'	00"00	
Brg.	#1	Size=	00'03"00	Reaction=	962.62	Uplift=	0
Brg.	#2	Size=	00'03"08	Reaction=	1788.22	Uplift=	0
SF11				Qty: (3)	Span: 12'	08"08	
Brg.	#1	Size=	00'03"00	_	_		0
Brg.				Reaction=			0
D. 9 .	π4	5146-	30 03 00	Reaction-	0,0.90	OPIIIC-	J
SF12			(Qty: (7)	Span: 12'	07"08	
Brg.	#1	Size=	00'03"08	Reaction=	694.37	Uplift=	0
Brg.	#2	Size=	00'03"08	Reaction=	694.37	Uplift=	0
SF13				Qty: (1)	Span: 12'	04"00	
Brg.	#1	Size=	12'04"00	Reaction=	1845.89	Uplift=	0
SF14				Qty: (10)	Span: 09'	06"04	
Brg.	#1	giro-	00'03"00				0
_			00'03"08		523.65	•	_
Brg.	#4	bize=	00-03-08	Reaction=	343.03	Uplift=	0
SF15				Qty: (2)	Span: 09'	02"12	
Brg.	#1	Size=	09'02"12	Reaction=	1381.3	Uplift=	0

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SF16			1	Qty: (1)	Span: 04	04"00	
Brg.	#1	Size=	00'03"08	React	ion=	238.33	Uplift=	0
Brg.	#2	Size=	00'03"00	React	ion=	238.33	Uplift=	0
SF17				Qty: (1)	Span: 03	06"00	
Brg.	#1	Size=	00'03"00				Uplift=	0
_							Uplift=	
V3				O+*** (1)	Span: 09	111102	
_	#1	Gizo-					Uplift=	176
brg.	π±.	5126-	09 11 02	Reacc	1011-	794.20	OPILIC-	170
V4				Qty: (1)	Span: 05	11"02	
Brg.	#1	Size=	05'11"02	React	ion=	474.29	Uplift=	140
V3B				Qty: (1)	Span: 08	01"00	
Brg.	#1	Size=					Uplift=	155
V3C			-	Qty: (1)	Span: 04	01"00	
Brg.	#1	Size=	04'01"00	React	ion=	326.67	Uplift=	79
 EJ1				Qty: (271	Span: 03	1081100	
Brg.	#1	Gizo-	00'03"08	React		253.08	Uplift=	107
			00'01"08	React		68.27		0
Brg. Brg.			00'01"08	React		90.42	Uplift= Uplift=	81

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EJ2			1	Qty: (3)	Span: 03'	08"00		
Brg.	#1	Size=	00'03"08	React	ion=	282.42	Uplift=	28	
Brg.	#2	Size=	00'03"00	React	ion=	162.95	Uplift=	6	
EJ3				Qty: (2)	Span: 02	00"00		
Brg.	#1	Size=	00'03"08	React	ion=	201.57	Uplift=	113	
Brg.	#2	Size=	00'01"08	React	ion=	35.18	Uplift=	0	
Brg.	#3	Size=	00'01"08	React	ion=	30.69	Uplift=	46	
EJ3A				Qty: (1)	Span: 02	00"00		
Brg.	#1	Size=	00'03"08	React	ion=	82.74	Uplift=	9	
Brg.	#2	Size=	00'01"08	React	ion=	37.98	Uplift=	0	
Brg.	#3	Size=	00'01"08	React	ion=	56	Uplift=	64	
EJA				Qty: (5)	Span: 04	00"00		
Brg.	#1	Size=	00'03"08	React	ion=	269.73	Uplift=	186	
Brg.	#2	Size=	00'01"08	React	ion=	68.32	Uplift=	0	
Brg.	#3	Size=	00'01"08	React	ion=	93.61	Uplift=	87	
EJB				Qty: (2)	Span: 04'	00"00		
Brg.	#1	Size=	00'03"08	React	ion=	296.71	Uplift=	13	
Brg.	#2	Size=	00'03"00	React	ion=	162.59	Uplift=	0	
 EJC			1	Qty: (2)	Span: 02'	00"00		
Brg.	#1	Size=	00'03"08	React	ion=	209.43	Uplift=	172	
Brg.	#2	Size=	00'01"08	React	ion=	27.37	Uplift=	0	
Brg.	#3	Size=	00'01"08	React	ion=	26.31	Uplift=	33	
M2				Qty: (7)	Span: 07	08"00		
Brg.	#1	Size=	00'03"08	React	ion=	407.35	Uplift=	209	
Brg.	#2	Size=	00'03"00	React	ion=	291.48	Uplift=	137	

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M2GE Brg.		Size=	07'08"00	Qty: (React	-	_	08"00 Uplift=	507
м3				Qty: (3)	Span: 07'	08"00	
Brg.	#1	Size=	00'03"00	React	ion=	297.96	Uplift=	160
Brg.	#2	Size=	00'03"08	React	ion=	441.81	Uplift=	204
Brg.	#3	Size=	00'03"00	React	ion=	-76.56	Uplift=	25
м4			-	Qty: (1)	Span: 07'	06"04	
Brg.	#1	Size=	00'03"08	React	ion=	401.7	Uplift=	209
Brg.	#2	Size=	00'03"00	React	ion=	285.47	Uplift=	136





Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

Site Information:	Page 1:
Customer: Carpenter Contractors of America	Job Number: 76391
Job Description: .1L1 ,3130B ,03/ ,R/01	
Address:	

Job Engineering Criteria:		
Design Code: IRC 2018		IntelliVIEW Version: 21.02.01
		JRef #: 1XQI89760009
Wind Standard: ASCE 7-16	Wind Speed (mph): 115	Design Loading (psf): 40.00, 55.00
Building Type: Closed		

This package contains general notes pages, 59 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	164.23.1355.09350	A1
3	164.23.1355.03717	A1B
5	164.23.1354.57623	A3A
7	164.23.1354.51540	A5A
9	164.23.1354.46513	A7AG
11	164.23.1354.59160	A3
13	164.23.1354.52990	A5
15	164.23.1354.45010	A7G
17	164.23.1354.40317	B2
19	164.23.1354.41727	B1G
21	164.23.1354.24463	M1GE
23	164.23.1353.53860	V2
25	164.23.1354.37660	CP1
27	164.23.1354.35083	CP3
29	164.23.1354.05937	SF2
31	164.23.1354.03173	SF4
33	164.23.1354.00140	SF6
35	164.23.1353.57613	SF8
37	164.23.1354.16610	SF10
39	164.23.1354.13530	SF12
41	164.23.1354.10693	SF14
43	164.23.1354.08220	SF16
45	164.23.1353.52653	V3
47	164.23.1353.50257	V3B
49	164.23.1354.33793	EJ1

Item	Drawing Number	Truss
2	164.23.1355.05213	A1A
4	164.23.1355.00720	A2A
6	164.23.1354.54487	A4A
8	164.23.1354.48030	A6A
10	164.23.1355.02240	A2
12	164.23.1354.56043	A4
14	164.23.1354.49543	A6
16	164.23.1354.43593	B1
18	164.23.1354.39007	B3GE
20	164.23.1354.25610	M1
22	164.23.1353.55020	V1
24	164.23.1353.51493	V3A
26	164.23.1354.36390	CP2
28	164.23.1354.18193	SF1
30	164.23.1354.04713	SF3
32	164.23.1354.01640	SF5
34	164.23.1353.59003	SF7
36	164.23.1353.56440	SF9
38	164.23.1354.14983	SF11
40	164.23.1354.12090	SF13
42	164.23.1354.09377	SF15
44	164.23.1354.07100	SF17
46	164.23.1353.47600	V4
48	164.23.1353.49137	V3C
50	164.23.1354.32577	EJ2





Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

Site Information:	Page 2:
Customer: Carpenter Contractors of America	Job Number: 76391
Job Description: .1L1 ,3130B ,03/ ,R/01	
Address:	

Item	Drawing Number	Truss
51	164.23.1354.31390	EJ3
53	164.23.1354.29070	EJA
55	164.23.1354.26767	EJC
57	164.23.1354.22120	M2GE
59	164.23.1354.19313	M4
61	A11530ENC160118	
63	GBLLETIN0118	
65	DEFLCAMB1014	

Item	Drawing Number	Truss
52	164.23.1354.30207	EJ3A
54	164.23.1354.27917	EJB
56	164.23.1354.23233	M2
58	164.23.1354.20923	M3
60	VALTN160118	
62	GABRST160118	
64	STRBRIBR1014	
66	A11515ENC160118	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed, and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment. W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

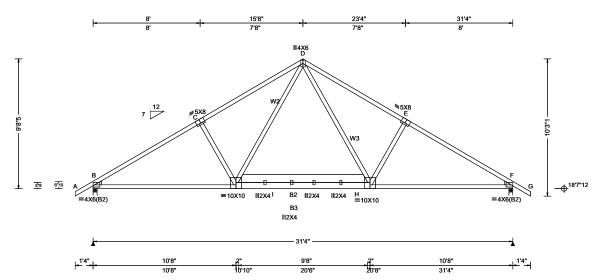
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.

 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www. sbcacomponents.com.

SEQN: 61814 COMN Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T7 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 4 DrwNo: 164.23.1355.09350 Truss Label: A1 / DF 06/13/2023



Loading Criteria (psf) TCLL: 20.00 Wind Criteria Wind Std: ASCE 7-1	Snow Criteria (Pg,Pf in PSF) Pg: 10.0 Ct: 1.1 CAT: II	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (lbs) Gravity Non-Gravity
TCDL: 10.00 Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.091 I 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.179 I 999 240	B 1335 /- /- /722 /115 /165
BCDL: 10.00 Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.032 F	F 1335 /- /- /722 /115 /-
Des Ld: 40.00 EXP: B Kzt: NA		HORZ(TL): 0.062 F	Wind reactions based on C&C
NCBCLL: 10.00 Mean Height: 23.38 ft	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.6 (Truss)
Soffit: 2.00 BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.774	F Brg Wid = 3.5 Min Req = 1.6 (Truss)
Load Duration: 1.15 MWFRS Parallel Dist:	0 to h/2 TPI Std: 2014	Max BC CSI: 0.487	Bearings B & F Fcperp = 565psi.
Spacing: 24.0 " C&C Dist a: 3.13 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.268	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)
Loc. from endwall: An	y FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
GCpi: 0.18	Plate Type(s):		<u> </u>
Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B-C 169 - 1980 D-E 209 - 1731
Lumbor	•	•	C-D 208 - 1731 E-F 169 - 1980

Top chord: 2x4 SP #2: Bot chord: 2x4 SP SS; B2 2x6 SP #2; B3 2x8 SP #2;

Webs: 2x4 SP #3; W2,W3 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

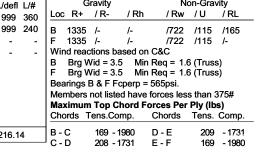
Bottom chord checked for 10.00 psf non-concurrent live load.

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Truss designed for unbalanced snow loads.

Truss supports 400# mech unit; unit centered at 15-8-0; supported by BC; unit width 4-0-0; supported by 2 trusses.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



Maximu	m Bot Chord I	Forces Per	Ply (lbs	3)
Chorde	Tens Comp	Chords	Tens	Co

omp H-F B-I 1610 -45 1610 -48

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.	vvebs	Tens. C	Jomp.
C-I	169 - 431	D-H	753	-45
I - D	688 -44	H - E	169	- 431



06/13/2023

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

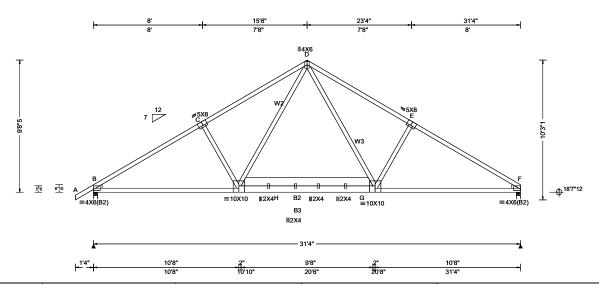
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 61815 COMN Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T10 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1355.05213 Truss Label: A1A / DF 06/13/2023



L	oading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
	CLL: 20.00			PP Deflection in loc L/defl L/#	Gravity Non-Gravity
Ιт	CDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.088 H 999 360	Loc R+ /R- /Rh /Rw /U /RL
В	BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.176 H 999 240	B 1337 /- /- /723 /116 /156
В	BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.030 F	F 1247 /- /- /669 /76 /-
Ic	Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.059 F	Wind reactions based on C&C
	ICBCLL: 10.00	Mean Height: 23.38 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.6 (Truss)
ls	Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.788	F Brg Wid = 3.5 Min Req = 1.5 (Truss)
L	oad Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.491	Bearings B & F Fcperp = 565psi.
s	Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.272	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)
	. •	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
		GCpi: 0.18	Plate Type(s):		<u> </u>
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B - C 172 - 1984 D - E 213 - 1742
Ι.		•			C-D 211 - 1735 E - F 174 - 1992

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP SS; B2 2x6 SP #2;

B3 2x8 SP #2;

Webs: 2x4 SP #3; W2,W3 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Truss designed for unbalanced snow loads.

Truss supports 400# mech unit; unit centered at 15-8-0; supported by BC; unit width 4-0-0; supported by 2 trusses.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. G-F 1623 -73 1614 - 70

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.	vvebs	Tens. C	omp.
C-H	169 - 431	D - G	762	-48
H - D	688 -44	G-E	170	-438



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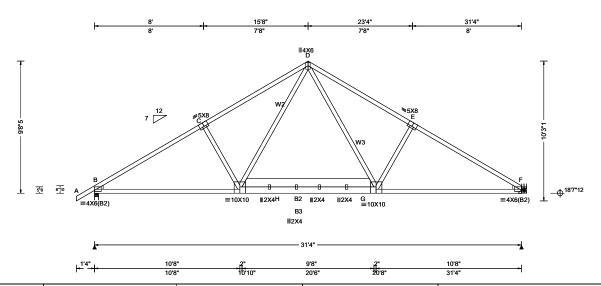
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 61816 COMN Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T15 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 3 DrwNo: 164.23.1355.03717 Truss Label: A1B / DF 06/13/2023



Loading Criteria (psf) Wind Criteria TCLL: 20.00 Wind Std: ASCE 7-16	Snow Criteria (Pg,Pf in PSF) Pg: 10.0 Ct: 1.1 CAT: II	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ibs) Gravity Non-Gravity
TCDL: 10.00 Speed: 115 mph BCLL: 0.00 Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.38 ft	Pg: 10.0 Ct: 1.1 CAI: II Pf: 7.7 Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Building Code:	VERT(LL): 0.088 H 999 360 VERT(CL): 0.176 H 999 240 HORZ(LL): 0.030 F - HORZ(TL): 0.059 F - Creep Factor: 2.0	Loc R+ /R- /Rh /Rw /U /RL
Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 " C&C Dist a: 3.13 ft Loc. from endwall: Any GCoi: 0.18	IRC 2018 TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	Max TC CSI: 0.788 Max BC CSI: 0.491 Max Web CSI: 0.272	F Brg Wid = - Min Req = - Bearing B Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B - C 172 - 1984 D - E 213 - 1742 C - D 211 - 1735 E - F 174 - 1992

Lumber

Top chord: 2x4 SP #2:

Bot chord: 2x4 SP SS; B2 2x6 SP #2; B3 2x8 SP #2;

Webs: 2x4 SP #3; W2,W3 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Truss designed for unbalanced snow loads.

Truss supports 400# mech unit; unit centered at 15-8-0; supported by BC; unit width 4-0-0; supported by 2 trusses.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

	_			rion Clarity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	1337	/-	/-	/723	/116	/156
	1247		/-	/669	/76	/-
Win	d read	ctions bas	sed on	C&C		
В		Vid = 3.5	Min	Req = 1.6	(Truss	s)
F	Brg V	Vid = -	Min	Req = -		
Bea	ring B	Fcperp =	= 565p	si.		
Men	nbers	not listed	have	forces less	s than 3	375#
Max	imun	n Top Ch	ord Fo	orces Per	Ply (lb:	s)
Cho	rds 7	Tens.Con	ıp.	Chords	Tens.	Comp.
В-0		172 - 19	184	D-E	213	- 1742
C-i		211 - 17			174	- 1992

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

1614 - 70 G-F 1623 -73

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. C	Comp.
C-H	169 -431			-48
H - D	688 -44	G-E	170	- 438



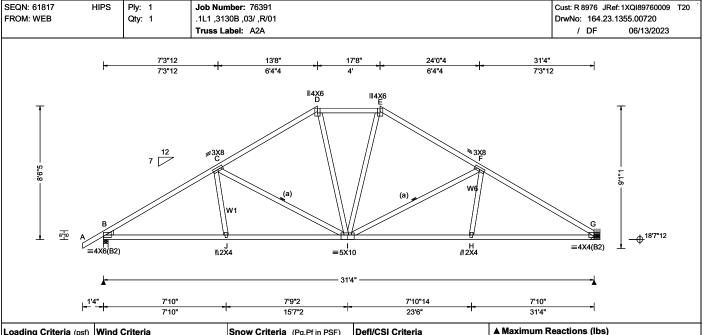
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.093 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.185 I 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.049 G
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 22.80 ft		HORZ(TL): 0.097 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.695
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.745
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.240
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14
Lumber			

ī	 3	h	_	

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #2; W1,W6 2x4 SP #3; Lt Wedge: 2x4 SP #3;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR (a) or scab reinforcement may be used in flet of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Non-Gravity

/142

/102

Tens. Comp. 225 - 1393

Tens. Comp.

Tens. Comp.

88

-93

- 104

- 566

1619

1601

202 - 1965

/RL

/Rw /U

/727

/674

Min Req = 1.6 (Truss)

Min Req = -

Chords

Chords

I-H

H-G

Webs

E-F

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Maximum Bot Chord Forces Per Ply (lbs)

Gravity

/ R-

Wind reactions based on C&C Brg Wid = 3.5

200 - 1955

225 - 1399

224 - 1206

1589 - 101

Tens.Comp.

384

Maximum Web Forces Per Ply (lbs)

Bearing B Fcperp = 565psi.

/Rh

/-

/-

R+

1342 /-

1251 /-

Brg Wid = -

Chords Tens.Comp.

Chords Tens.Comp.

1606 -91

Loc

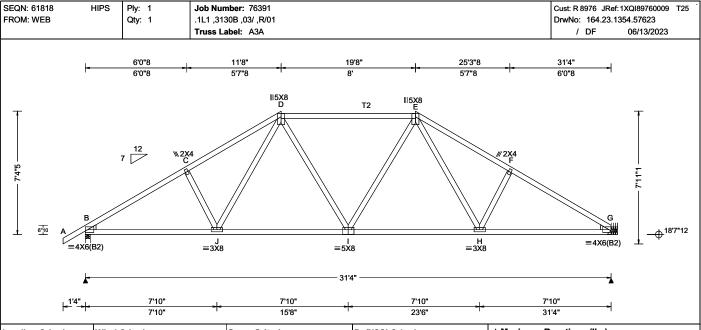
C-D

D-E

B-J

J - I.

Webs



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.103 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.199 I 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.053 G
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.102 G
NCBCLL: 10.00	Mean Height: 22.21 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.778
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.888
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.206
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14
Lumber			

Top chord: 2x4 SP #2; T2 2x4 SP SS; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide

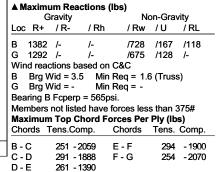
Bottom chord checked for 10.00 psf non-concurrent live load.

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Truss designed for unbalanced snow loads.

Wind

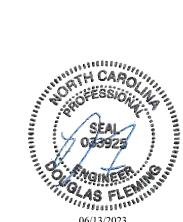
Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



Chords	Tens.Com	p. Chords	Tens.	Comp.
B-J	1689 - 1	55 I-H	1324	- 106
J - I	1322 - 10	05 H-G	1703	- 159

Maximum Web Forces Per Ply (lbs)

Web)S	Tens.Comp.		Webs	Tens. C	comp.
J - E)	482	-11	E - H	497	- 14



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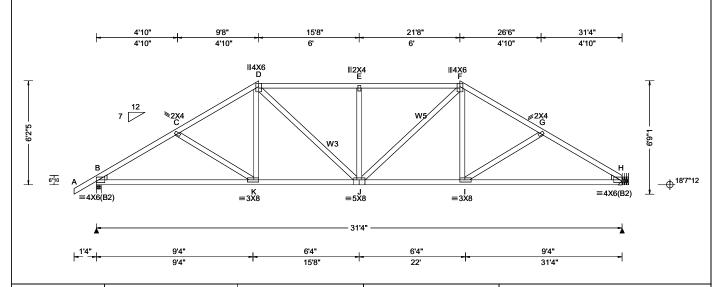
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 61819 HIPS Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T17 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.54487 Truss Label: A4A / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.111 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.221 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.050 H
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.100 H
NCBCLL: 10.00	Mean Height: 21.63 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.625
	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.851
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.269
Opacing. 24.0	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W3,W5 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

	▲ Maximum Reactions (lbs) Gravity Non-Gravity							
		•				•		
)	Loc R+	- / K-	/ Rh	/ Rw	/ U	/ RL		
)	B 134	2 /-	/-	/727	/193	/99		
	H 125	1 /-	/-	/674	/154	/-		
	Wind re	actions b	ased on	C&C				
				Req = 1.6	(Truss	s)		
	H Brg	Wid = -	Min	Req = -				
	Bearing	B Fcperp	= 565ps	si.				
	Member	rs not liste	ed have t	forces less	s than 3	375#		
	Maximu	ım Top C	hord Fo	rces Per	Ply (lb:	s)		
	Chords	Tens.Co	mp.	Chords	Tens.	Ćomp.		
_	B-C	315 -	1979	E.E	377	- 1730		
	-							
	C-D	307 -		F-G	309	- 1758		
	D-E	377 -	1730	G-H	319	- 1993		

Maximum	Bot (Chord	Forces	Per	Ply	(lbs)
---------	-------	-------	--------	-----	-----	-------

Chords	Tens.Comp.	Chords	Tens. Comp.
B-K	1626 - 219	J - I	1458 - 153
K - J	1453 - 151	I - H	1643 - 223

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.	webs	Tens. C	omp.
	383 - 113 197 - 412	J-F	377	- 110



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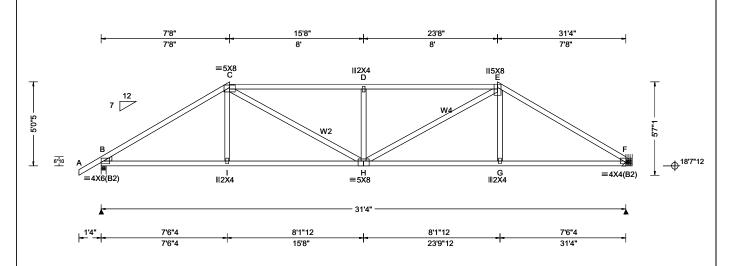
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SEQN: 61820 HIPS Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T22 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.51540 Truss Label: A5A / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.136 D 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.270 D 999 240	B 1342 /- /- /724 /216 /81
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.048 F	F 1251 /- /- /671 /178 /-
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.094 F	Wind reactions based on C&C
NCBCLL: 10.00	Mean Height: 21.05 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.6 (Truss) F Brg Wid = - Min Req = -
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018 TPI Std: 2014	Max TC CSI: 0.799 Max BC CSI: 0.720	Bearing B Fcperp = 565psi.
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2			Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.271	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp
	GCpi: 0.18	Plate Type(s):		D 0 044 4000 D E 404 004
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B-C 341 - 1968 D-E 484 - 221 C-D 484 - 2216 E-F 346 - 197
Lumber				¹ C - D 484 - 2216 E - F 346 - 197

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W2,W4 2x4 SP #2; Lt Wedge: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
B-I	1603 - 220	H-G	1609	- 228
I - H	1599 - 222	G-F	1613	- 225

Maximum Web Forces Per Ply (lbs)

MACDO I	ens.comp.	VV CD3	i ciis. C	Joinp.
	712 - 180 255 - 536	H-E	700	- 176



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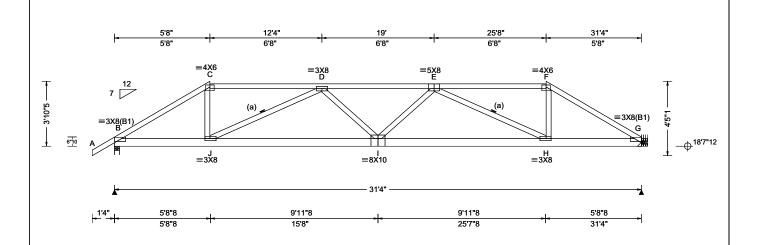
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SEQN: 61831 HIPS Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T21 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.48030 Truss Label: A6A / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.160 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.318 I 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.039 G
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.077 G
NCBCLL: 10.00	Mean Height: 20.46 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.607
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.643
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.413
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

Lumber	
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Top chord: 2x4 SP #2: Bot chord: 2x6 SP #2; Webs: 2x4 SP #3;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails (0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

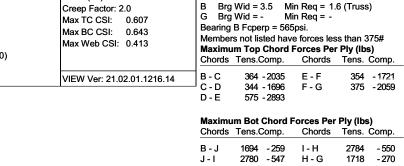
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Loading

Bottom chord checked for 10.00 psf non-concurrent

Truss designed for unbalanced snow loads.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



▲ Maximum Reactions (lbs)

Wind reactions based on C&C

/Rh

/-

/-

Gravity

R+ / R-

1343 /-

1250 /-

Loc

Non-Gravity

/238

/199

/RL

/Rw /U

/718

/665

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.	Webs	Tens. Comp.				
C - J J - D	654 - 51 323 - 1214	E - H F - H	315 -1191 656 -50				



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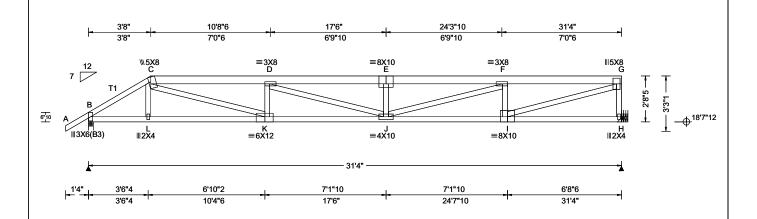
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SEQN: 61833 НІРМ Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T18 Ply: 2 FROM: WEB Qty: 1 .1L1 ,3130B ,03/ ,R/01 DrwNo: 164.23.1354.46513 / DF 06/13/2023 Truss Label: A7AG





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.240 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.475 E 789 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.044 C
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.088 C
NCBCLL: 0.00	Mean Height: 19.88 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.498
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.927
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.951
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

Lumber

Top chord: 2x6 SP #2; T1 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3" nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15) 60 plf at 30 plf at TC: From 60 plf at 30 plf at -1.33 to 2.06 to TC: From 31.33 BC: From 5 plf at -1.33 to 5 plf at 0.00 10 plf at BC: From 0.00 to 10 plf at 31.33 90 lb Conc. Load at 4.06, 6.06, 8.06,10.06 12.06,14.06,16.06,18.06,20.06,22.06,24.06,26.06

12.06, 14.06, 16.06, 18.06, 20.06
BC: 163 lb Conc. Load at 2.06
BC: 68 lb Conc. Load at 4.06, 6.06, 8.06, 10.06
12.06, 14.06, 16.06, 18.06, 20.06, 22.06, 24.06, 26.06 28.06,30.06

Wind

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

30 10

Max Web CSI:	0.951
V/IEW/ Vor: 21.0	2 01 1216 14

92 - 1522 E-F C-D 179 - 2837 D-E

Chords Tens.Comp.

▲ Maximum Reactions (lbs)

/Rh

/-

/-

Wind reactions based on MWFRS Brg Wid = 3.5

Gravity

R+ / R-

1943 /-

1843 /-

Brg Wid = -

Bearing B Fcperp = 565psi.

Loc

В

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B-L 1274 2885 - 187 -74 K - J 1 - K 1268 2261 - 149 - 76

Non-Gravity

/135

/118

Tens. Comp.

138 - 2187

/RL

/Rw /U

Min Req = 1.5 (Truss)

Min Req = -

Chords

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)

AA GD2	Tens.com	ip. v	/vens	Tells.	Jonnp.
C-K	1661 - 1	09 F	= - I	84	- 592
K-D	70 -3	91 I	- G	2297	- 146
J - F	957 -	55 (3 - H	71	-862



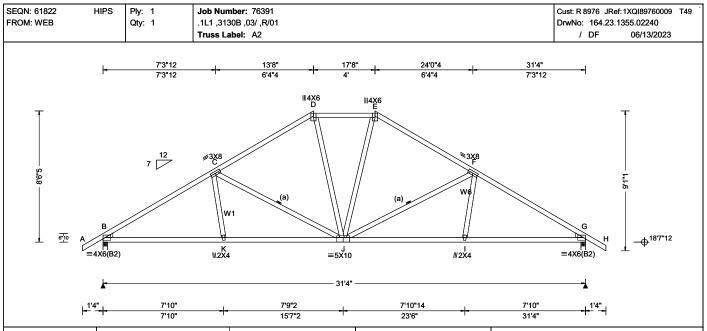
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.095 J 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.188 J 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.051 G
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.101 G
NCBCLL: 10.00	Mean Height: 22.80 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.695
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.743
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.234
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14
I construe			

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #2; Webs: 2x4 SP #2; W1,W6 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR (a) or scab reinforcement may be used in flet of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

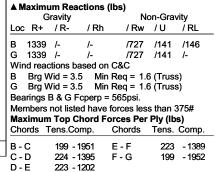
Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



Maximum	Bot	Chord	Forces	Per	Ply (lbs)
---------	-----	-------	---------------	-----	-----------

Chords	Chords Tens.Comp.		Chords	Tens. Comp.	
B - K	1586	-77	J - I	1604	-69
K - J	1603	-66	I - G	1586	-80

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
C-J	86 - 547	J-E	382	-2
D-J	384 - 2	J - F	85	- 552



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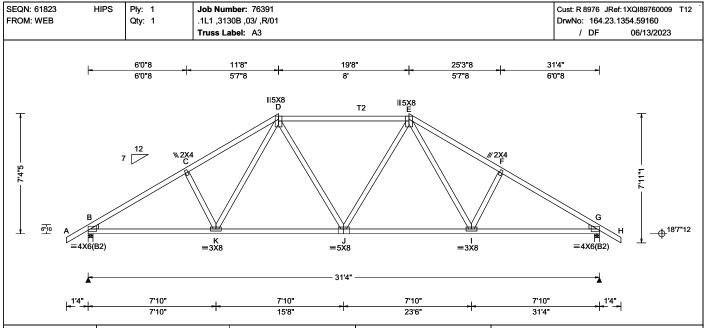
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.105 J 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.201 J 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.055 G
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 22.21 ft		HORZ(TL): 0.105 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.777
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.888
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.200
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14
Lumber			

Top chord: 2x4 SP #2: T2 2x4 SP SS: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide

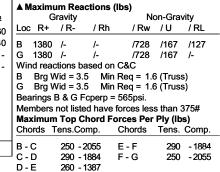
Bottom chord checked for 10.00 psf non-concurrent live load.

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



Maximum	Bot Chord	Forces	Per	Ply (lbs)	

Chords	Tens.Comp.		Chords	Tens. Com	
В-К	1686	- 131	J - I	1318	-84
K - J	1318	-83	I-G	1686	- 134

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
K-D	482	- 12	E-I	482	- 12



06/13/2023

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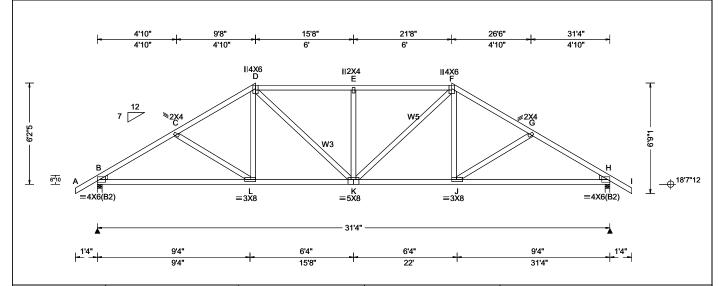
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 61824 Ply: 1 HIPS Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T11 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.56043 Truss Label: A4 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.113 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.223 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.052 H
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.103 H
NCBCLL: 10.00	Mean Height: 21.63 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.624
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.850
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.269
'	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14
Lumban	•	•	•

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W3,W5 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

	▲ Maximum Reactions (lbs)						
		Gravity		Non-Gravity			
)	Loc R+	- / R-	/ Rh	/ Rw	/ U	/ RL	
)	B 134	0 /-	/-	/727	/192	/108	
	H 134	0 /-	/-	/727	/192	/-	
	Wind re	actions b	ased on	C&C			
	B Brg	Wid = 3.	5 Min	Req = 1.6	(Truss	s)	
	H Brg	Wid = 3.	5 Min	Req = 1.6	i (Truss	s)	
	Bearing	sB&HF	cperp =	565psi.			
	Member	rs not liste	ed have t	forces les	s than 3	375#	
	Maximu	ım Top C	hord Fo	rces Per	Ply (lb:	s)	
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.	
	B-C	315 -	1975	E-F	375	- 1725	
	C-D	306 -	1747	F-G	306	- 1747	
	D-F	375 -	1725	G H	31/	- 1075	

Chords	Tens.Comp.	Chords	Tens. Comp.
B-L	1623 - 194	K-J	1450 - 130
L-K	1450 - 129	J - H	1623 - 198

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
D-K E-K	380 - 112 197 - 411	K - F	380	- 111



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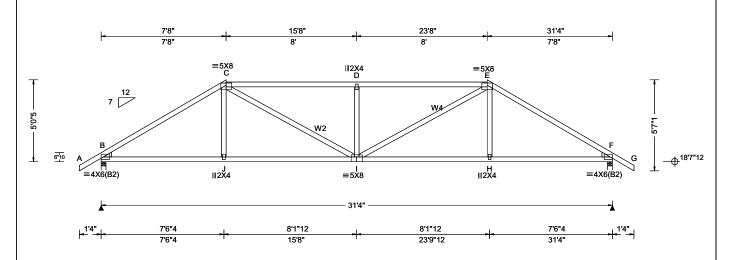
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SEQN: 61825 HIPS Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T57 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.52990 Truss Label: A5 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.139 D 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.273 D 999 240	B 1340 /- /-	/723 /215 /90
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.050 F	F 1340 /- /-	/723 /215 /-
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.098 F	Wind reactions based on C	&C
NCBCLL: 10.00	Mean Height: 21.05 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		leq = 1.6 (Truss) leq = 1.6 (Truss)
Soffit: 2.00 Load Duration: 1.15	BCDL: 5.0 psf	IRC 2018 TPI Std: 2014	Max TC CSI: 0.800 Max BC CSI: 0.718	Bearings B & F Fcperp = 56	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.267	Members not listed have fo Maximum Top Chord Fore	
	Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		Chords Tens.Comp. C	chords Tens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14) - E 481 - 2210 - F 341 - 1964
Lumber	· ·	·	·	C-D 481-2210 E	-F 341 - 1904

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W2,W4 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens.	
B-J	1599 - 200	I-H	1595	- 199
J - I	1595 - 202	H-F	1599	- 197

Maximum Web Forces Per Ply (lbs)

******	i cha.comp.	VV CD3	rens. comp.
	709 - 177	I-E	709 - 177
D-I	255 - 538		



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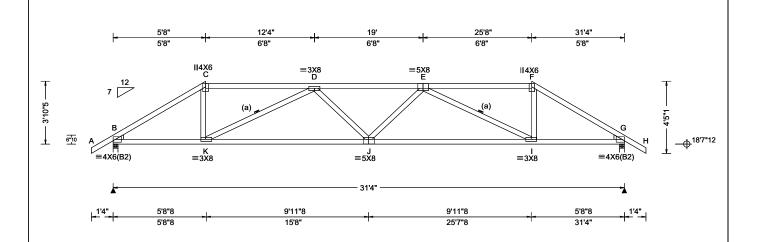
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SEQN: 61826 HIPS Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T14 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.49543 Truss Label: A6 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.188 J 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.370 J 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.059 G
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.117 G
NCBCLL: 10.00	Mean Height: 20.46 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.664
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.537
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Yes	Max Web CSI: 0.412
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	1340	/-	/-	/717	/237	/71	
G	1340	/-	/-	/717	/237	/-	
Wi	Wind reactions based on C&C						
В	Brg V	Vid = 3.5	Min	Reg = 1.	6 (Truss	s)	
G	Brg V	Vid = 3.5	Min	Req = 1.	6 (Truss	s)	
Be	arings l	B & G Fo	perp =	565psi.			
Me	mbers	not listed	d have	forces les	s than 3	375#	
Ma	ximun	Top Ch	ord F	orces Per	Ply (lb	s)	
Ch	ords 1	ens.Cor	np.	Chords	Tens.	Ćomp.	
В-	С	364 - 2	036	E-F	344	- 1684	
_l C -	D	343 - 10	683	F-G	365	- 2037	
D-	E	567 - 2	851				

Maximum Bot Chord Forces Per Ply (lbs)

Chords

J - I

I - G

Webs

F - I

Tens. Comp.

Tens. Comp.

315 - 1189

667

- 509

- 232

-49

2740

1682

Non-Gravity

▲ Maximum Reactions (lbs)

Gravity

Chords Tens.Comp.

2743 - 520

1681 - 239

317 - 1193

Maximum Web Forces Per Ply (lbs) Tens.Comp.

B-K

K - .I

Webs

K - D

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP SS; Webs: 2x4 SP #3;

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails (0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR (a) or scab reinforcement may be used in flet of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.



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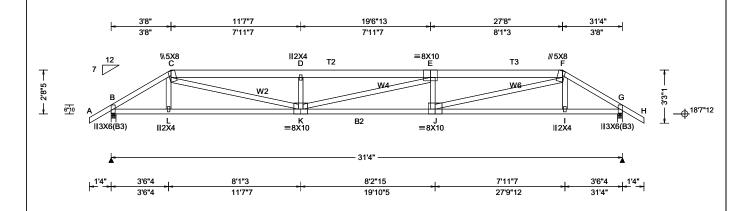
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SEQN: 61835 HIPS Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T13 Ply: 2 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.45010 / DF 06/13/2023 Truss Label: A7G





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.236 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.462 E 810 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.048 G
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 19.88 ft		HORZ(TL): 0.094 G
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.617
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.839
Spacing: 24.0 "	C&C Dist a: 3.13 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.465
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP SS; Webs: 2x4 SP #3; W2,W4,W6 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3" nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)						
TC: From	60 plf at	-1.33 to	60 plf at	2.06		
TC: From	30 plf at	2.06 to	30 plf at	29.27		
TC: From	60 plf at	29.27 to	60 plf at	32.67		
BC: From	5 plf at	-1.33 to	5 plf at	0.00		
BC: From	10 plf at	0.00 to	10 plf at	31.33		
BC: From	5 plf at	31.33 to	5 plf at	32.67		
TC: 90 lb	Conc. Load	at 4.06, 6.	06, 8.06,10	.06		
12.06,14.06,1	15.27,17.27,	19.27,21.27	7,23.27,25.2	27		
27.27						
BC: 163 lb	Conc. Load	at 2.06,29	.27			
BC: 68 lb	Conc. Load	at 4.06, 6.	06, 8.06,10	.06		
12.06,14.06,1	15.27,17.27,	19.27,21.27	,23.27,25.2	27		
27.27						

Wind

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types. SEAL OF AS FLEN 06/13/2023

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▲ Maximum Reactions (lbs) Non-Gravity Gravity /Rh /Rw /U /RL R+ / R-Loc В 1971 /-/137 1967 /-/-/137 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & G Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Chords Tens.Comp. Tens. Comp B - C 92 - 1567 193 - 3070 E-F C-D 200 - 3124 F-G 92 - 1563

Maximum Bot Chord Forces Per Ply (lbs)

199 - 3123

D-E

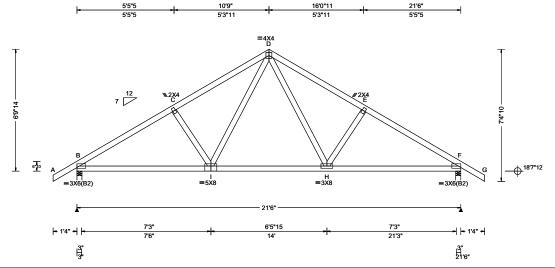
Chords	Tens.Comp.		Chords	Tens. C	Comp.
B-L	1314	-75	J - I	1304	-77
L-K	1307	-77	I-G	1311	-76
KI	3112	- 202			

Maximum Web Forces Per Ply (lbs)

VVCDS	rens.comp.	VV CD3	rens. Comp.
C-K	1893 - 128	J - F	1843 - 120



SEQN: 61743 Ply: 1 COMN Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T23 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 3 DrwNo: 164.23.1354.43593 Truss Label: B1 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	Gravity No.	on-Gravity
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.047 H 999 360	Loc R+ /R- /Rh /Rw	/U /RL
DOLL. 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.092 H 999 240	B 946 /- /- /512	/122 /118
	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.023 F	F 946 /- /- /512	/122 /-
Doc 1 d: 40 00	EXP: B Kzt: NA		HORZ(TL): 0.045 F	Wind reactions based on C&C	
NCBCLL: 10.00	Mean Height: 21.94 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5	
0.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.441	F Brg Wid = 3.5 Min Req = 1.5	ō (Truss)
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.518	Bearings B & F Fcperp = 565psi.	- 4 0754
	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.173	Members not listed have forces less Maximum Top Chord Forces Per	
1	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords	Tens. Comp.
	GCpi: 0.18	Plate Type(s):		Chords Tone.Comp. Onords	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B - C 146 - 1266 D - E	173 - 1097
Lumban		1		C-D 173-1096 E-F	146 - 1267

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide

Bottom chord checked for 10.00 psf non-concurrent

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (IDS)						
Chords	Tens.C	omp.	Chords	Tens. C	Comp.	
B - I	1017	-42	H-F	1017	-48	
I_H	706	Λ				

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Webs Tens. Comp. I-D D-H 418



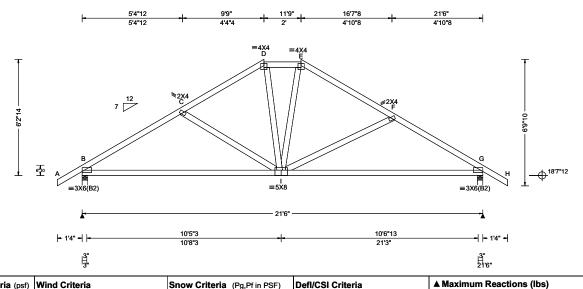
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SEQN: 61838 Ply: 1 COMN Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T26 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1354.40317 Truss Label: B2 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.038 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.074 I 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.016 G
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.032 G
NCBCLL: 10.00	Mean Height: 21.65 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.373
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.492
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.243
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

	Gravity			No	n-Grav	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	946	/-	/-	/514	/139	/109
G	946	/-	/-	/514	/139	/-
Win	d read	tions bas	sed on	C&C		
В	Brg W	/id = 3.5	Min	Req = 1.5	(Trus	s)
G	Brg W	/id = 3.5	Min	Req = 1.5	(Trus	s)
Bea	rings E	3 & G Fc	perp =	565psi.		
Men	nbers	not listed	have	forces less	than 3	375#
Max	imum	Top Ch	ord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.
В-0	5	194 - 12	238	E-F	164	- 957
¹ C - լ)	164 - 9	950	F-G	200	- 1254
D - I	Ξ	168 -8	305			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP SS; Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-I 1015 995 -82 I-G - 98

06/13/2023

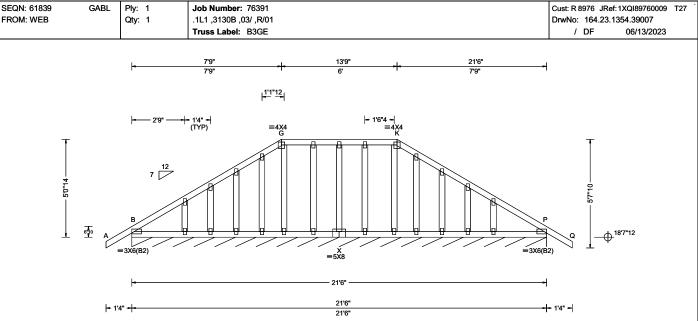
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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.001 H 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.002 H 999 240		
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.001 O		
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.002 M		
NCBCLL: 10.00	Mean Height: 21.07 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.210		
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.046		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.091		
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14		
	· ·				

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL Loc R+ / R-117 /-/-/52 /25 Wind reactions based on C&C Brg Wid = 258 Min Req = Bearing B Fcperp = 565psi. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 3.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A11530ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other



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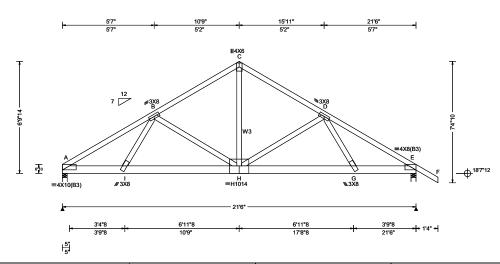
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SEQN: 61829 COMN Ply: 3 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T19 FROM: WEB Qty: 1 .1L1 ,3130B ,03/ ,R/01 DrwNo: 164.23.1354.41727 / DF 06/13/2023 Truss Label: B1G





Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
Pf: 7.7 Ce: 1.0	VERT(LL): 0.103 H 999 360	Loc R+ /R- /Rh /Rw /U /RL
Lu: - Cs: 1.00	VERT(CL): 0.203 H 999 240	A 7019 /- /- /- /343 /-
Snow Duration: 1.15	HORZ(LL): 0.031 E	E 6490 /- /- /- /333 /-
	HORZ(TL): 0.060 E	Wind reactions based on MWFRS
Building Code:	Creep Factor: 2.0	A Brg Wid = 3.5 Min Req = 2.8 (Truss)
IRC 2018	Max TC CSI: 0.710	E Brg Wid = 3.5 Min Req = 2.6 (Truss)
TPI Std: 2014	Max BC CSI: 0.681	Bearings A & E Fcperp = 565psi.
Rep Fac: Yes	Max Web CSI: 0.601	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)
, , , , ,		Chords Tens.Comp. Chords Tens. Comp.
Plate Type(s):		
WAVE, HS	VIEW Ver: 21.02.01.1216.14	A - B 182 - 3821 C - D 122 - 2586 B - C 122 - 2587 D - E 179 - 3807
	Pg: 10.0 Ct: 1.1 CAT: II Pf: 7.7 Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Pg: 10.0 Ct: 1.1 CAT: II Pf: 7.7 Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): PP Deflection in loc L/defl L/# VERT(LL): 0.103 H 999 360 VERT(CL): 0.203 H 999 240 VERT(CL): 0.031 E HORZ(LL): 0.060 E Creep Factor: 2.0 Max TC CSI: 0.710 Max BC CSI: 0.681 Max Web CSI: 0.601

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP SS;

Webs: 2x4 SP #3; W3 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3" nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.00" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

	-			
(Lumber	Dur.Fac.=1.	.15 / Plate [Dur.Fac.=1.	15)
TC: From	60 plf at	0.00 to	60 plf at	22.83
BC: From	10 plf at	0.00 to	10 plf at	17.71
BC: From	20 plf at	17.71 to	20 plf at	21.50
BC: From	5 plf at	21.50 to	5 plf at	22.83
BC: 1247 lb	Conc. Load	at 1.77, 3.	77, 5.77	
BC: 1251 lb	Conc. Load	at 7.77,11	.77,13.77	
BC: 1292 lb	Conc. Load	at 9.77		
BC: 1250 lb	Conc. Load	at 15.77		
BC: 1843 lb	Conc. Load	at 17.71		

Wind

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.



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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Maximum Bot Chord Forces Per Ply (lbs)

H-G

G-E

Webs

H - D

D - G

Chords Tens. Comp.

2780

3248

1029

Ťens. Comp.

- 135

- 149

-667

-31

Chords Tens.Comp.

A - I

I-H

Webs

I-B

B - H

3264 - 152

2792 - 137

1038

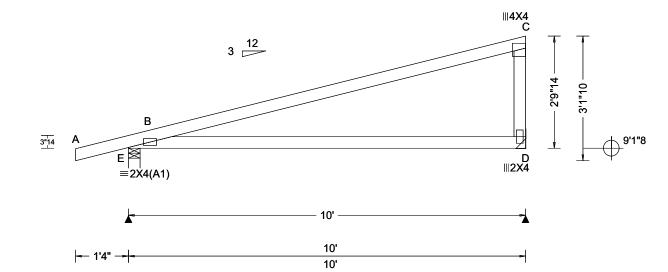
2447

44 -682

Maximum Web Forces Per Ply (lbs) Tens.Comp.

-33

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61920 MONO Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 10 DrwNo: 164.23.1354.25610 Truss Label: M1 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA		
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA	l	
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.034 B		
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.066 B	ľ	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	П	
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.699	l	
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.445	ľ	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.554		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):		1	
Wind Duration: 1.60		WAVE	VIEW Ver: 21.02.01.1216.14		

— 17		ann ixea Gravity	ections (II		on-Grav	vitv
Loc	R+	•	/ Rh		/ U	/RL
Е	498	/-	/-	/249	/199	/141
D	387	/-	/-	/198	/149	/-
Win	d read	ctions b	ased on 0	C&C		
E D			.5 Min F Min F		(Trus	s)
Bea	ring E	Fcper	o = 565ps	i.		
Mer	nbers	not list	ed have fo	rces les	s than 3	375#

Lumber

Top chord: 2x4 SP SS; Bot chord: 2x4 SP SS; Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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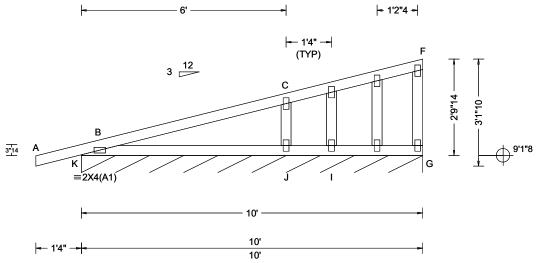
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SEQN: 61921 GABL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T2 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 2 DrwNo: 164.23.1354.24463 Truss Label: M1GE / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.018 B 999 360	Lo
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.032 B 999 240	K'
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.005 B	ı
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.010 B	W
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	K
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.237	Be
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.130	M
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.095	M:
' ' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)		3
	GCpi: 0.18	Plate Type(s):		С
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	

	▲ Maximum Reactions (I Gravity				bs), or *=PLF Non-Gravity			
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
0	Ì	112	/-104		/54	/52	/20	
'	Wind reactions based on C&C K Brg Wid = 120 Min Reg = -							
	Bearing K is a rigid surface.							
	Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp.							
	С	J	286	- 471				

Lumber

Top chord: 2x4 SP SS: Bot chord: 2x4 SP SS; Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 3.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A11515ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other



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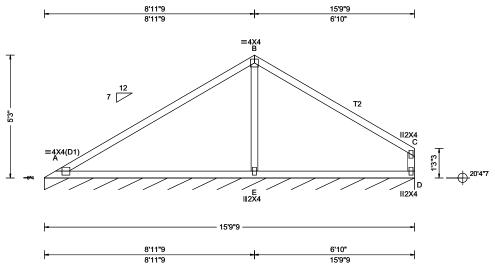
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61871 VAL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T36 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1353.55020 Truss Label: V1 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.082 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.165 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.025 A
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.050 A
NCBCLL: 10.00	Mean Height: 23.14 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.899
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.434
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.251
'	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL Loc R+ / R-/-Wind reactions based on C&C Brg Wid = 189 Min Req = Bearing A Fcperp = 565psi. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP SS; T2 2x4 SP #2; Bot chord: 2x4 SP SS;

Loading

Webs: 2x4 SP #3;

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



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SEQN: 61873 VAL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T24 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1353.53860 Truss Label: V2 / DF 06/13/2023 6'11"9 13'9"9 6'11"9 6'10' =4X4 ■4X4(D1) ≡4X4(D1) ____D ∥2X4 6'11"9 6'10" 6'11"9 13'9"9 ▲ Maximum Reactions (lbs), or *=PLF Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Loading Criteria (psf) Wind Criteria Non-Gravity Pg: 10.0 Ct: 1.1 CAT: II Gravity TCLL: 20.00 Wind Std: ASCE 7-16 PP Deflection in loc L/defl L/# /Rw /U /RL R+ / R-/Rh TCDL: 10.00 Speed: 115 mph Pf: 7.7 Ce: 1.0 VERT(LL): 0.037 A 999 360 Enclosure: Closed Cs: 1 00 VERT(CL): 0.074 A 999 240 BCLL: 0.00 lu -/-/39 /13 Risk Category: II BCDL: HORZ(LL): -0.015 C Wind reactions based on C&C 10.00 Snow Duration: 1.15 EXP: B Kzt: NA HORZ(TL): 0.031 C Brg Wid = 165 Min Req = Des Ld: 40.00 Mean Height: 23.72 ft Bearing A Fcperp = 565psi. **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Members not listed have forces less than 375# IRC 2018 Max TC CSI: 0.727 Soffit: 2 00 BCDL: 5.0 psf Maximum Top Chord Forces Per Ply (lbs) TPI Std: 2014 Max BC CSI: 0.564 Load Duration: 1.15 MWFRS Parallel Dist: 0 to h/2 Chords Tens.Comp. Chords Tens. Comp. Rep Fac: Yes Max Web CSI: 0.255 Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: Any FT/RT:20(0)/10(0) 548 - 162 548 Plate Type(s): GCpi: 0.18 VIEW Ver: 21.02.01.1216.14 Wind Duration: 1.60 Maximum Bot Chord Forces Per Ply (lbs) WAVE Chords Tens.Comp. Chords Tens. Comp. Lumber Top chord: 2x4 SP #2: A - D 203 - 400 D-C 203 Bot chord: 2x4 SP #2; Maximum Web Forces Per Ply (lbs)

Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



06/13/2023 ABCD Engineering, PLLC NC COA 0838 Webs

B - D

Tens.Comp

278 - 802

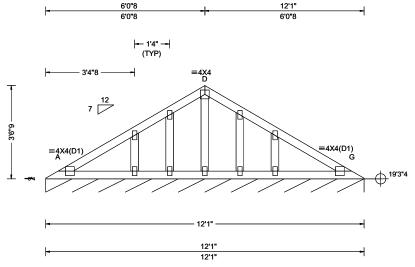
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 61925 GABL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T46 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1353.51493 Truss Label: V3A / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.005 G 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.009 G 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.002 G
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.004 G
NCBCLL: 10.00	Mean Height: 21.19 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.177
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.113
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.051
'	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL R+ / R-Loc G* 101 /-/-/23

Wind reactions based on C&C Brg Wid = 144 Min Req = Bearing A Fcperp = 565psi.

Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 3.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A11530ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other



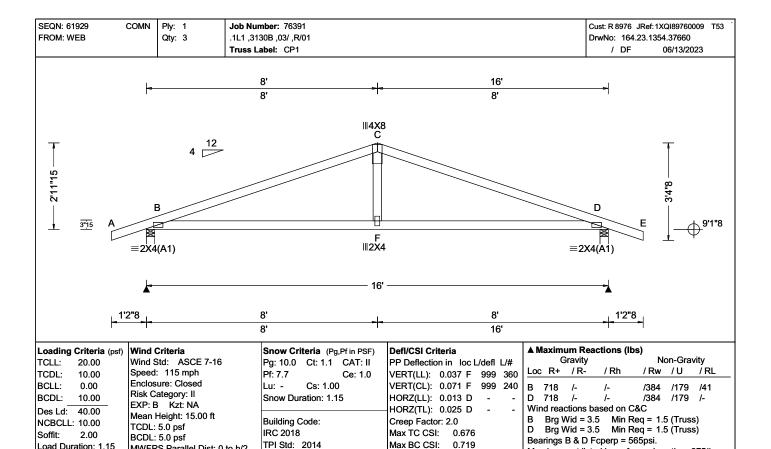
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Max Web CSI: 0.135

VIEW Ver: 21.02.01.1216.14

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Load Duration: 1.15

Spacing: 24.0 "

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS Parallel Dist: 0 to h/2

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: Any

GCpi: 0.18

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-F 1071 - 171 1071 - 171 F-D

Chords Tens. Comp.

265 - 1187

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp.

265 - 1187

B - C



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Rep Fac: Yes

Plate Type(s):

WAVE

FT/RT:20(0)/10(0)

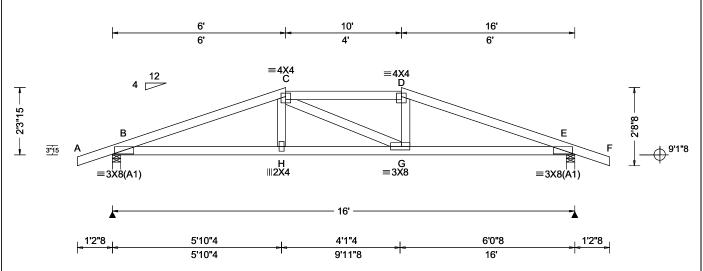
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SEQN: 61949 HIPS Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T51 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.36390 Truss Label: CP2 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
. ,		, -	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.047 G 999 360	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00		Lu: - Cs: 1.00	VERT(CL): 0.092 G 999 240	B 718 /- /- /385 /199 /33
1DCDL. 10.00 1	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.015 E	E 718 /- /- /385 /199 /-
Doc 1 4: 40 00	EXP: B Kzt: NA		HORZ(TL): 0.030 E	Wind reactions based on C&C
NCPCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5 (Truss)
0.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.389	E Brg Wid = 3.5 Min Req = 1.5 (Truss)
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.464	Bearings B & E Fcperp = 565psi.
I I		Rep Fac: Yes	Max Web CSI: 0.075	Members not listed have forces less than 375#
		FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		<u>'</u>
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B-C 359 - 1322 D-E 360 - 1319
Laurelaur		1		¹ C - D 369 - 1212

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

1215 - 277 1212 - 277 B-H G-F 1207 - 280 H-G



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SEQN: 61947 Ply: 1 HIPS Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T59 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.35083 Truss Label: CP3 / DF 06/13/2023 12' 16' 8' ₩4X10 C ∥4X6 D T2 - 1.7"15 -W2 H ∥2X4 G =3X8 =3X8(A1) $\equiv 3X8(A1)$ 16' 3'10"4 8'1"4 4'0"8 3'10"4 11'11"8 16'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ibs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.079 C 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.151 C 999 240	B 1036 /- /- /- /11 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.023 E	E 1034 /- /- /- /11 /-
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.045 E	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = 3.5 Min Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.867	. , ,
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.547	Bearings B & E Fcperp = 565psi.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.130	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	B - C 0 - 2434 D - E 0 - 2424 C - D 0 - 2288
Lumaham				C-D 0-2200

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2; Bot chord: 2x4 SP SS; Webs: 2x4 SP #3; W2 2x4 SP #2;

Special Loads

•					
(L	umber	Dur.Fac.=1	.15 / Plate D	Our.Fac.=1.1	15)
TC: F	rom	60 plf at	-1.33 to	60 plf at	2.06
TC: F	rom	30 plf at	2.06 to	30 plf at	13.94
TC: F	rom	60 plf at	13.94 to	60 plf at	17.33
BC: F	rom	4 plf at	-1.33 to	4 plf at	0.00
BC: F	rom	10 plf at	0.00 to	10 plf at	16.00
BC: F	rom	4 plf at	16.00 to	4 plf at	17.33
TC:	94 lb	Conc. Load	at 4.06, 6.	06, 7.94, 9.9	94
11.94					
BC:			lat 2.06,13		
BC:	68 lb	Conc. Load	l at 4.06, 6.	06, 7.94, 9.	94
11.94					

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.



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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Maximum Bot Chord Forces Per Ply (lbs)

0

0

G-F

Chords Tens. Comp 2288

0

Chords Tens.Comp.

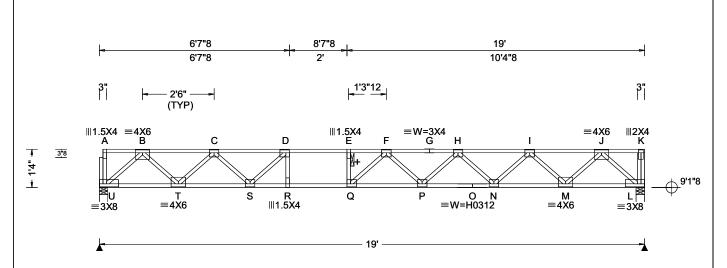
2298

2263

B-H

H-G

SEQN: 61901 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T28 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 7 DrwNo: 164.23.1354.18193 Truss Label: SF1 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.376 E 592 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.512 E 435 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.046 L
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.063 L
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: NA psf	IRC 2018	Max TC CSI: 0.961
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.832
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.524
' "	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 21.02.01.1216.14
Lumber			

	■ Max	mum Re	eactions	(IDS)			
		Gravity		. No	on-Gra	vity	
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
)	U 10:	29 /-	/-	/-	/-	/-	
	L 104	49 /-	/-	/-	/-	/-	
	U Br	g Wid =	3.5 Min	Req = 1.5	5		
	L Br	g Wid =	3.5 Min	Reg = 1.5	(Trus	s)	
	Bearing	gsU&L	Fcperp =	565psi.	•	•	
	Membe	ers not lis	sted have	forces les	s than	375#	
	Maxim	um Top	Chord F	orces Per	Ply (lb	s)	
	Chords	Tens.0	Comp.	Chords	Tens.	Ćomp.	
	B-C	0	- 1835	F-G	0	- 3765	
	C-D			G-H	ŏ		
	D-E		- 3730	H-I	ō		
	E-F	0	- 3731	I - J	0	- 1798	

A Massimoson Depotient (lbs)

Top chord: 4x2 SP #2: Bot chord: 4x2 SP SS; Webs: 4x2 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent

Max JT VERT DEFL: LL: 0.38" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations.

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed

Truss must be installed as shown with top chord up.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
U - T	1061	0	P-0	3535	0
T-S	2568	0	O - N	3535	0
S-R	3718	0	N - M	2557	0
R-Q	3730	0	M - L	1007	0
Q-P	3899	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
U-B	0 - 1443	H - N	0	- 675
B - T	1076 0	N - I	685	0
T - C	0 - 1019	I - M	0	- 1056
C-S	734 0	M - J	1100	0
S-D	0 - 979	J-L	0	- 1405
O E	260 460			

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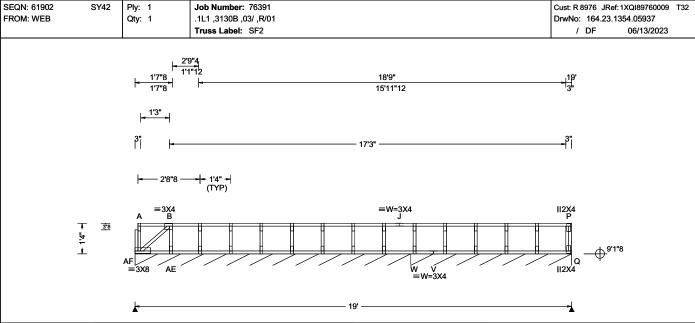
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North Building, 4th Floor Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 P
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.001 P
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.168
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.012
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.048
opasg. 2	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14
1		1	-

▲ M		um Rea Gravity	ctions (II		PLF on-Gra	vity
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
AF*	142	/-	/-	/-	/-	/-
W*	160	/-	/-	/-	/-	/-
AF	AF Brg Wid = 144 Min Req = -					
W Brg Wid = 84.0 Min Reg = -						
Bearings AF & W are a rigid surface.						
Men	Members not listed have forces less than 375#					

Lumber

Top chord: 4x2 SP #2: Bot chord: 4x2 SP SS; Webs: 4x2 SP #3;

Plating Notes

All plates are 1.5X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face. narrow face.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



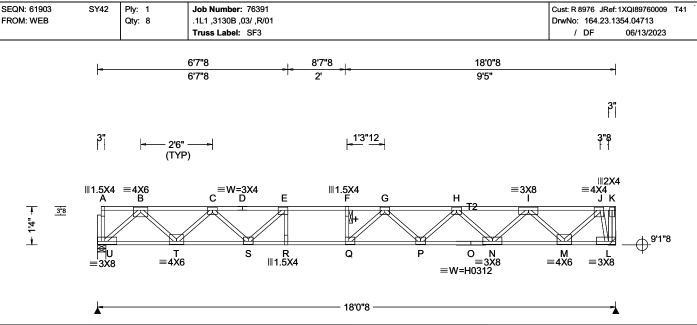
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.270 F 782 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.372 F 567 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.039 L
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.053 L
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: NA psf	IRC 2018	Max TC CSI: 0.598
l	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.667
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.559
-	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 21.02.01.1216.14

Lumber

Top chord: 4x2 SP #2; T2 4x2 SP SS; Bot chord: 4x2 SP SS; Webs: 4x2 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face. narrow face.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

de: 014 es 0/10(0)	Creep Factor: 2.0 Max TC CSI: 0.598 Max BC CSI: 0.667 Max Web CSI: 0.559	Bearing Member Maximu		= 565 d have hord f			s)
;/10(0 <i>)</i> s):		в-с	0 -1	1724	F-G	0	- 3404
-7-	VIEW Ver: 21.02.01.1216.14	C-D	0 -2		G-H	0	- 3275
		¬ D-Е	0 -2	2870	H - I	0	- 2463
		E-F	0 -3	3404	I - J	0	- 1095
		Maximu	ım Bot Cl	hord F	orces Per	Ply (lbs)
		Chords	Tens.Co	mp.	Chords	Tens.	Comp.
		U-T	1002	0	Q-P	3481	0
		T - S	2408	0	P-0	2997	0
		S-R	3396	0	O - N	2997	0

R-Q

3404

▲ Maximum Reactions (lbs)

/Rh

/-/-

Brg Wid = 3.5 Min Req = 1.5

Gravity

R+ / R-

976 /-

996

Non-Gravity

/RL

/-

/Rw /U

Maxim	Maximum Web Forces Per Ply (lbs)											
Webs	Tens.C	Comp.	Webs	Tens.	Comp.							
U - B	0	- 1363	H - N	0	- 743							
B - T	1003	0	N - I	763	0							
T - C	0	- 952	I - M	0	- 1139							
C-S	663	0	M - J	1173	0							
S-E	0	- 840	J-L	0	- 1085							
P-H	386	0										

N - M

1914

O

0



06/13/2023

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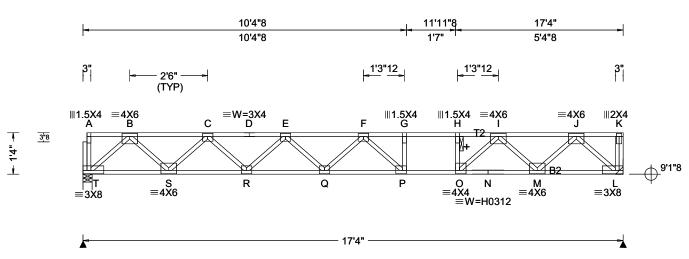
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North Building, 4th Floor Glenview, IL 60025

SEQN: 61904 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T29 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 7 DrwNo: 164.23.1354.03173 Truss Label: SF4 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf) TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0) Plate Type(s):	Deff/CSI Criteria
	Wind Duration: NA	WAVE. HS	VIEW Ver: 21.02.01.1216.14

	▲ Maxi	mum Rea	actions	(lbs)			
		Gravity		. No	on-Gra	vity	
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
)	T 93	7 /-	/-	/-	/-	/-	
	L 95	7 /-	/-	/-	/-	<i>I</i> -	
	T Br	g Wid = 3	.5 Mir	Req = 1.5	5		
		g Wid = -					
	Bearing	TFcper	p = 565p	si.			
	Membe	ers not list	ed have	forces les	s than	375#	
	Maxim	um Top (Chord F	orces Per	Ply (II	bs)	
	Chords	Tens.C	omp.	Chords	Tens.	. Comp.	
	B-C	Λ.	1644	F-G	C	- 2933	
-	C-D	_			_		
				G-H	C		
	D-E	0 -	2692	H-I	C	-2902	
	F.F	Λ.	3204	1 - 1		1581	

Top chord: 4x2 SP #2: T2 4x2 SP SS: Bot chord: 4x2 SP SS; B2 4x2 SP #2; Webs: 4x2 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



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0 - 3204 Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
T-S	955	0	P-0	2924	0	
S-R	2302	0	O - N	2274	0	
R-Q	3073	0	N - M	2274	0	
Q - P	3244	0	M - I	913	0	

Maximum Web Forces Per Ply (lbs)											
Webs	Tens.C	comp.	Webs	Tens.	Comp.						
T - B	0	- 1299	H-O	0	- 473						
B-S	958	0	O - I	972	0						
S-C	0	- 914	I - M	0	- 965						
C-R	543	0	M - J	928	0						
R-E	0	- 531	J - L	0	- 1274						
F-P	96	- 579									

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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61905 SY42 Cust: R 8976 JRef: 1XQI89760009 T37 Ply: 1 Job Number: 76391 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.01640 / DF 06/13/2023 Truss Label: SF5 10'4"8 11'11"8 17'2"4 1'7" 10'4"8 5'2"12 <u>_1'3"12</u> _1'3"12_ - 2'6" -(TYP) **∥1.5X4** =3X4 =W=3X4=3X4 ∥1.5X4 **∥1.5X4 ∥2X4 ≡3X4** В H K 4 3"8 <u>4</u> +9'1"8 s R ≡3X4 Q ≡3X4 0 М Ν =3X4 **=4X4** =3X8 =W=H0312

17'2"4

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.253 P 793 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.337 P 597 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.045 B
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.062 B
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: NA psf	IRC 2018	Max TC CSI: 0.539
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.798
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.469
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 21.02.01.1216.14
Lumber			

	▲ Maxi	mum Rea	ctions	(lbs)		
		Gravity		. No	on-Gra	vity
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	T 929) /-	/-	/-	/-	/-
	L 949) /-	/-	/-	/-	/-
	T Bro	Wid = 3.	5 Min	Req = 1.5	5	
	L Bro	Wid = -	Min	Req = -		
	Bearing	T Fcperp	= 565p	si.		
	Membe	rs not list	ed have	forces les	s than	375#
	Maxim	um Top C	hord F	orces Per	Ply (II	os)
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.
	B-C	0 -	1627	F-G	C	- 2861
	C-D		2658		Č	
	D-E	0 -	2658	H-I	C	- 2829
	E-F	0 -	3154	I - J	Ċ	- 1484

Maximum Bot Chord Forces Per Ply (lbs)

0

0

0

0

0

0

Maximum Web Forces Per Ply (lbs)

Chords

P - 0

O - N

N - M

M - I

Webs

0-1

I - M

M - J

Tens. Comp.

Tens. Comp.

0

n

0

n

0

0

2852

2187

2187

811

985

937

0 - 978

0 - 1206

Chords Tens.Comp.

947

2276

3032

3186

Tens.Comp.

947

531

0 - 903

0 - 520

83 - 590

T-S

S-R

R-Q

Q-P

Webs

B - S

S-C

C-R

R-E

Top chord: 4x2 SP #2: T2 4x2 SP SS: Bot chord: 4x2 SP SS; B2 4x2 SP #2; Webs: 4x2 SP #3;

Plating Notes

All plates are 4X6 except as noted.

Bottom chord checked for 10.00 psf non-concurrent

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



06/13/2023

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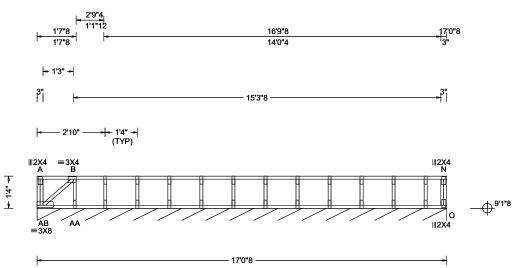
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61906 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T40 Ply: 1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1354.00140 Truss Label: SF6 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maxir
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	_
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 480	Loc R+
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 360	O* 150
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 N	O Brg
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.001 N	Bearing
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0	Member
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.158	
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.024	
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.046	
3 ****	Loc. from endwall: NA	FT/RT:20(0)/10(0)		
	I: NA GCpi: NA	Plate Type(s):		
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14	

imum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL / R-/Rh rg Wid = 204 Min Req =

g AB Fcperp = 565psi.

ers not listed have forces less than 375#

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



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SEQN: 61907 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T33 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 8 DrwNo: 164.23.1353.59003 Truss Label: SF7 / DF 06/13/2023 6'7"8 14' 5'4"8 6'7"8 1'3"12 2'6" (TYP) ≡3X4 D **∥1.5X4** \equiv 3X4 =3X4 **≡3X4 ∥2X4 ∥1.5X4** 3"8 9'1"8 0 \equiv 3X4 \equiv 3X4 K ≡3X4 J ≡3X4 **∭1.5**ัX4 **≡3**X8 **≡3X8** 14'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.124 L 999 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.190 L 856 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.027 B
Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0) Plate Type(s):	HORZ(TL): 0.040 B Creep Factor: 2.0 Max TC CSI: 0.747 Max BC CSI: 0.447 Max Web CSI: 0.334
	l: NA GCpi: NA Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14

	▲ M	axim	um Rea	ctions	(lbs)			
		(Sravity		` ′ ۱	Non-Gra	vity	
0	Loc	R+	/ R-	/ Rh	/ Rw	· /U	/ RL	
0	0	754	/-	/-	/-	/-	/-	-
	1	774	/-	/-	/-	/-	/-	
	0	Brg \	Nid = 3	5 Mi	n Req = 1	.5		
	1	Brg \	Nid = 3	5 Mi	n Req = 1	.5 (Trus	s)	
	Bea	rings	O&IF	cperp =	565psi.	,	•	
	Men	nbers	not list	ed have	e forces le	ss than	375#	
	Max	cimur	n Top C	hord F	orces Pe	r Ply (II	os)	
	Cho	rds	Tens.Co	mp.	Chords	Tens.	Ćomp.	
	В-0	С	0 -	1257	E-F	C	-2028	
	C - I	D	0 -	1926	F-G	C	- 1215	
	D - I	Ε	0 -	2039				

Maximum Bot Chord Forces Per Ply (lbs)

0

0

0

Maximum Web Forces Per Ply (lbs)

Tens.Comp.

Chords

1 - K

K-J

J - I

Webs

Tens. Comp

Tens. Comp.

2039

1705

724

683

0 - 1011

O

0

n

-681

Chords Tens.Comp.

753

1737

2043

O - N

N - M

M - I

Webs

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP SS; Webs: 4x2 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

End Vertical Attachment

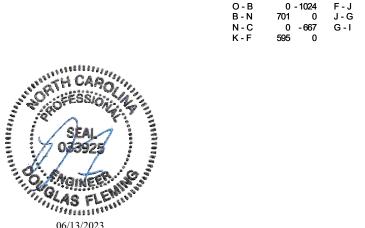
Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



06/13/2023

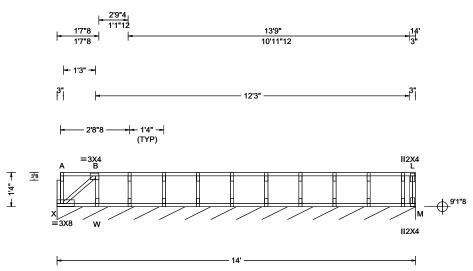
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (It	os), or *=PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: IRC 2018 TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 360 VERT(CL): 0.001 B 999 240 HORZ(LL): 0.001 L HORZ(TL): 0.001 L Creep Factor: 2.0 Max TC CSI: 0.168 Max BC CSI: 0.026	Gravity Loc R+ / R- / Rh X* 148 /- /-	Non-Gravity / Rw / U / RL /- /- /- Req = -
Spacing: 24.0 "	C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.048 VIEW Ver: 21.02.01.1216.14		

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent live load.

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each

Additional Notes

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



06/13/2023

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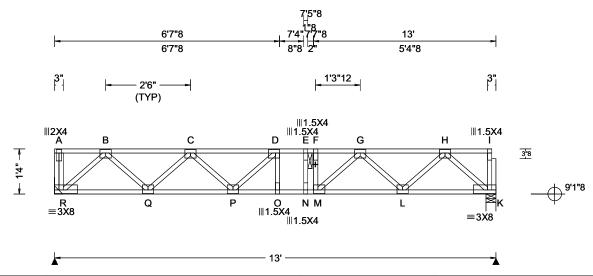
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SEQN: 61909 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T5 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 3 DrwNo: 164.23.1353.56440 Truss Label: SF9 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maxim
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	9
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.086 D 999 480	Loc R+
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.119 D 999 360	R 719
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.020 B	K 699
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.028 B	R Brg V
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0	K Brg V
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.449	Bearing K
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.680	Members
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.301	Maximun
- Francis - 111	Loc. from endwall: NA	FT/RT:12(0)/10(0)		Chords
	I: NA GCpi: NA	Plate Type(s):		B-C
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14	C-D
Louishau		1447442		' D - E

	▲ Maximum Reactions (lbs)								
		Gravity		N	on-Gra	vity			
30	Loc R	- /R-	/ Rh	/Rw	/ U	/ RL			
0	R 719	/-	/-	/-	/-	/-			
-	K 699	/-	/-	/-	/-	/-			
-	R Brg	Wid = -	Min	Req = -					
	K Brg	Wid = 3.	5 Min	Req = 1.5	(Trus	s)			
	Bearing	K Fcperp	= 565p	si.					
	Membe	rs not liste	ed have	forces les	s than	375#			
	Maximu	ım Top C	hord Fo	orces Per	Ply (It	s)			
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.			
	B-C	0 -	1119	E-F	0	- 1772			
	C-D	0 -	1688	F-G	0	- 1763			
	D-E	0 -	1772	G-H	0	- 1132			

Lumber

Top chord: 4x2 SP #2: Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face. narrow face.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

	Tens.Comp.		Chords		omp.
R-Q	664	0	N - M	1772	0
Q-P	1548	0	M - L	1546	0
P-0	1776	0	L-K	699	0
O - N	1772	Λ			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. (Comp.
R-B	0	- 927	G-L	0	- 577
B - Q	632	0	L-H	601	0
Q-C	0	- 597	H - K	0	- 951
M - G	430	- 31			

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SEQN: 61917 SY42 Cust: R 8976 JRef: 1XQI89760009 T43 Ply: 1 Job Number: 76391 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 2 DrwNo: 164.23.1354.16610 Truss Label: SF10 / DF 06/13/2023 6'7"8 10'5" 10'6" 13' 6'7"8 1' 2'6" 2'9"8 - 1'3" -- 1'3"12 - 1'2" - 1'3" -2'6' 2'6" (TYP) ∥2X4 A =4X6 B ∥1.5X4 ∥3<u>X</u>4 =8X12 **∥1.5X4** С D GН 3"8 14 ⊕^{9'1"8} a O N M =3X8≡6X12 R ≡4X6 P ∥1.5X4 =3X8 =5X8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.148 E 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.203 E 742 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.027 L
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.037 L
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.763
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.674
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.964
opasg	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14
Lumber		Additional Notes	

Top chord: 4x2 SP #2: Bot chord: 4x2 SP SS; Webs: 4x2 SP #3;

Special Loads

-(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 100 plf at BC: From 10 plf at 0.00 to 100 plf at 0.00 to 10 plf at 12.88 13.00 BC: From TC: 193 II 193 lb Conc. Load at 10.85 BC: 1140 lb Conc. Load at 10.46

Plating Notes

All plates are 3X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent live load

End Vertical Attachment

Attach notched end vertical(s) to next end vertical using (3) qty. 10d box or (0.128"x3"min) gun nails, or (5) qty. 15-Gauge, 7/16" Crown, 2-1/2" length wire staples, through wide face; or (3) qty. 16-Gauge, 1" Crown (minimum), 1-1/2" length wire staples on each narrow face.

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

13'

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs) Non-Gravity Gravity /Rh /Rw /U /RL R+ / Rs 963 1788 /-Brg Wid = -Min Req = -Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing L Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp B-C 0 - 1620 F-G 0 -3088 C-D 0 -2700 G-H - 3059 D-E 0 - 3160 H - I 0 -3014 E-F 0 - 3163

Maximum Bot Chord Forces Per Ply (lbs)								
Chords	Tens.Co	mp.	Chords	Tens. C	omp.			
S-R	920	0	O - N	3280	0			
R-Q	2285	0	N - M	3059	0			
Q-P	3153	0	M - L	1883	0			

P-0

3160

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.		Webs	Tens.	Comp.		
S-B	0 -1	284	F-N	0	-611		
B-R	973	0	N - G	577	0		
R-C	0 -	925	H - M	0	- 869		
C - Q	577	0	M - I	2024	0		
Q-D	54 -	630	I-L	0	- 2559		
0 - F	445 -	163					



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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



North Building, 4th Floor Glenview, IL 60025

SEQN: 61910 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T39 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 3 DrwNo: 164.23.1354.14983 Truss Label: SF11 / DF 06/13/2023 12'8"8 6'7"8 7'4' 6'7"8 5'4"8 1'3"12 2'6" (TYP) ≡3X4 C ≡3X4 ∥1.5X4 D E \equiv 3X4 **∥2X4 ≡3X4 ≡3X4 ∥2X4** G 9'1"8 _0 ≡3X8 N ≡3X4 М L K ∭1.5X4≡3X4 J ≡3X4 =3X4 =3X8 12'8"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions	(lbs)
Loading Criteria (psf)	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes	Defl/CSI Criteria	Gravity Loc R+ / R- / Rh O 699 /- /- I 699 /- /- O Brg Wid = - Min	Non-Gravity / Rw / U / RL /-
- Factor G - 111	Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	FT/RT:12(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.14		E-F 0 -166 F-G 0 -106

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

0	О	699	/-	/-	/-	/-	/-	
	1	699	/-	/-	/-	/-	/-	
	0	Brg	Wid = -	Min	Req = -			
	1	Brg	Wid = -	Min	Req = -			
	Me	mber	s not list	ed have	forces les	s than	375#	
	Maximum Top Chord Forces Per Ply (lbs)							
	Ch	ords	Tens.C	omp.	Chords	Tens	Comp.	
	В-	С	0 -	1078	E-F	C	- 1668	
	C-	D	0 -	1606	F-G	(- 1068	
	D-	Ε	0 -	1674				
	Maximum Bot Chord Forces Per Ply (lbs)							

Chords	Tens.Comp.		Chords	Tens. Comp.	
O - N	644	0	L-K	1674	0
N - M	1486	0	K - J	1471	0
M - L	1678	0	J - I	648	0

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.	vvebs	i ens.	Comp.
O - B	0 -899	F-J	0	- 560
B - N	604 0	J-G	584	0
N - C	0 - 568	G-I	0	- 906
K-F	391 0			



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SEQN: 61911 Ply: 1 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T30 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 7 DrwNo: 164.23.1354.13530 Truss Label: SF12 / DF 06/13/2023 5'4"8 12'7"8 7'3" 5'4"8 1'10"8 5'4"8 1'3"12 1'3"12 2'6" (TYP) ≡3X4 B **∥2X4** ≡3X4 C ∥1.5X4 D ≡3X4 F ≡3X4 G **∥2X4 ∥1.5**X4 Ĥ 9'1"8 K ≡3X4 **≡3**X4 \equiv 3X4 $\equiv 3\bar{X}4$ **≡3X8 ≡3X8** 12'7"8

				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.067 D 999 480	
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.110 D 999 360	
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.017 B	
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.028 B	
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0	١.
Soffit: 2.00	BCDL: NA psf	IRC 2018	Max TC CSI: 0.537	Ľ
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.539	ľ
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.276	Ľ
	Loc. from endwall: NA	FT/RT:12(0)/10(0)		ŀ
	I: NA GCpi: NA	Plate Type(s):		1
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14	Ľ
Lumber				- 1

	▲ M	axim	num Rea	ctions	(lbs)		
		(Gravity		` ´ N	on-Gra	vity
0	Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
0	N	694	/-		/-	/-	/-
.	I	694	/-	/-	/-	/-	/-
.	N	Brg	Wid = 3.	5 Min	Req = 1.	5	
	1	Brg	Wid = 3.	5 Min	Reg = 1.	5 (Trus	s)
	Bea	rings	N&IF	perp =	565psi.	•	•
	Mer	nber	s not liste	d have	forces les	s than	375#
	Max	cimu	m Top C	hord F	orces Per	Ply (I	os)
	Cho	rds	Tens.Co	mp.	Chords	Tens.	Comp.
	В-0	С	0 -	1063	E-F	0	- 1632
	C -	D	0 -	1632	F-G	0	- 1063
	D -	E	0 -	1640			

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Maximu	ım Bot Chord	Forces Per	Ply (lbs)
Chords	Tens.Comp.	Chords	Tens. Con

Choras	rens.co	mp.	Choras	rens. Co	omp.
N - M	645	0	K-J	1451	0
M - L	1451	0	J - I	645	0
L-K	1640	0			

Maximum	Web	Forces	Per	Ply	(lbs)
---------	-----	---------------	-----	-----	------	---

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
N - B	0	-902	K-F	422	0
B - M	580	0	F-J	0	- 540
M - C	0	- 540	J - G	580	0
C-I	422	0	G-I	0	- 902



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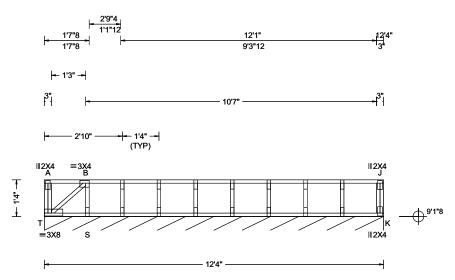
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SEQN: 61912 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T31 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.12090 Truss Label: SF13 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 J
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.001 J
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.162
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.024
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.048
opasing. 2 no	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL R+ / R-/Rh 150 Brg Wid = 148 Min Req = Bearing T Fcperp = 565psi.

Members not listed have forces less than 375#

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



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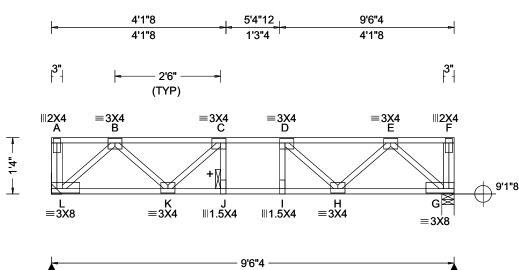
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61913 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T45 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 10 DrwNo: 164.23.1354.10693 Truss Label: SF14 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.026 J 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.044 J 999 240	L 524 /- /-	/- /- /-
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.008 B	G 524 /- /-	/- /- /-
Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0)	HORZ(TL): 0.013 B Creep Factor: 2.0 Max TC CSI: 0.298 Max BC CSI: 0.397 Max Web CSI: 0.159	G Brg Wid = 3.5 Min R Bearing G Fcperp = 565psi Members not listed have for Maximum Top Chord Ford	. rces less than 375#
	I: NA GCpi: NA	Plate Type(s):		B-C 0 -710 D)-E 0 -710
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14	C-D 0 -924	

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

		Gr	avity		` ´ N	lon-Gra	vity	
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
0	L 52	24	<i>I</i> -	/-	/-	/-	/-	
-	G 5	24	/-	/-	/-	/-	/-	
-	L B	rg W	id = -	Mi	n Req = -			
	G B	rg W	id = 3.5	5 Mi	n Req = 1.	5 (Trus	ss)	
	Bearin	ng G	Fcperp	= 565	psi.			
	Memb	ers r	not liste	d have	e forces les	ss than	375#	
	Maxir	num	Top C	hord F	orces Pe	r Ply (II	bs)	
	Chord	ls To	ens.Co	mp.	Chords	Tens	. Comp	
	B - C		0 -	710	D-E	C	-710)
	C - D		0 -	924				

Maximum Bot Chord Forces Per Ply (Ibs)								
Chords	Tens.Comp.		Chords	Tens. Co	omp.			
L-K	470	0	I-H	924	0			
K - J	924	0	H - G	470	0			
J - I	924	0						

	Tens.Comp.		
L - B	0 -657	E-G	0 -657



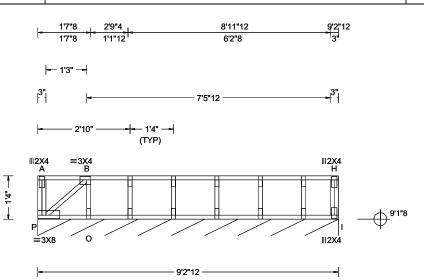
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SEQN: 61914 SY42 Cust: R 8976 JRef: 1XQI89760009 T44 Ply: 1 Job Number: 76391 FROM: WEB Qty: 2 .1L1 ,3130B ,03/ ,R/01 DrwNo: 164.23.1354.09377 Truss Label: SF15 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 H
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.001 H
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.158
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.024
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.045
- Farm 9: - 112	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /RL R+ / R-/Rw /U Loc 150

Brg Wid = 110 Min Req = -Bearing P Fcperp = 565psi.

Members not listed have forces less than 375#

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X4 except as noted.

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



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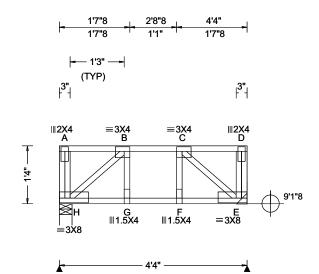
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SEQN: 61915 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T35 Ply: 1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1354.08220 Truss Label: SF16 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00	L: 40.00 Wind Std: NA Speed: NA mph L: 0.00 Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.003 G 999 480 VERT(CL): 0.005 G 999 360 HORZ(LL): 0.002 B HORZ(TL): 0.003 B Creep Factor: 2.0		
Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "		IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0) Plate Type(s):	Max TC CSI: 0.087 Max BC CSI: 0.080 Max Web CSI: 0.053		
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1216.14		

▲ Maximum Reactions (lbs)								
	(Gravity		· No	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL		
Н	238	/-	/-	/-	/-	/-		
Ε	238	/-	/-	/-	/-	/-		
Н	Brg	Wid = 3.5	Min	Req = 1.5	;			
Ε	Brg	Wid = -	Min	Req = -				
Bea	ring	H Fcperp	= 565p	si.				
Men	nber	s not listed	have	forces less	than	375#		

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



06/13/2023

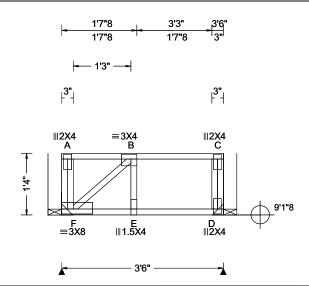
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SEQN: 61916 SY42 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T42 Ply: 1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1354.07100 Truss Label: SF17 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.053 E 674 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.073 E 495 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.049 C
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.068 C
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf BCDL: NA psf	IRC 2018	Max TC CSI: 0.418
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.374
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.029
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
Wind Duration: NA		WAVE	VIEW Ver: 21.02.01.1216.14

ΔI	▲ Maximum Reactions (Ibs)							
	G	ravity		No	on-Gra	avity		
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
F	193	/-	/-	/-	/-	/-		
D	193	/-	/-	/-	/-	/-		
F	Brg V	Vid = -	Min F	Req = -				
D	Brg V	Vid = -	Min F	Req = -				
Me	mbers	not liste	ed have fo	orces les	s than	375#		

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Additional Notes

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.



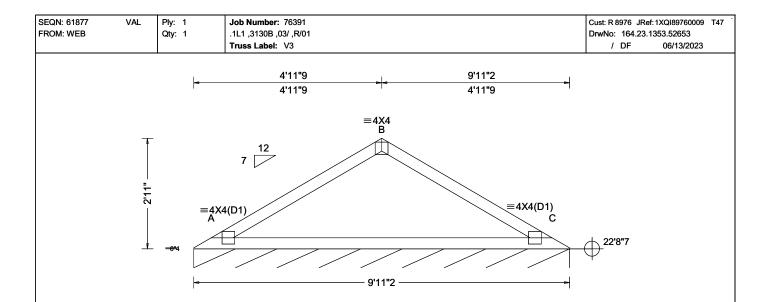
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9'11"2 9'11"2

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.042 C 999 360	<u>L</u>
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.088 C 999 240	١d
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.018 C	١
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.037 C	(
NCBCLL: 10.00	Mean Height: 24.31 ft	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	TCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.594	ı
	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.601	1
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	1
Opacing. 24.0	Loc. from endwall: Any	FT/RT:20(0)/10(0)		L
	GCpi: 0.18	Plate Type(s):		ľ
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	1

▲ Ma		ım Rea	ctions	(lbs), or * N	=PLF lon-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C Bear Mem	d read Brg Wing Anbers	Vid = 1 Fcperp not list	o = 565p ed have	Req = -		
Cho	rds T	ens.Co	omp.	Chords	Tens.	Comp.
A - E	3	171	- 440	B - C	171	- 440

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Truss designed for unbalanced snow loads.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



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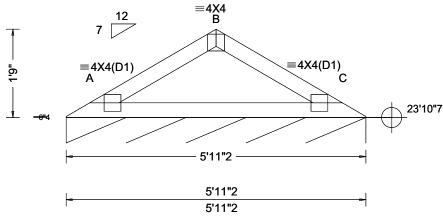
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SEQN: 61879 VAL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T48 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1353.47600 Truss Label: V4 / DF 06/13/2023





	Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	
	TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.010 C 999 360	ഥ
	BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.019 C 999 240	Ιc
	BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.004 C	W
	Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.008 C	c
	NCBCLL: 10.00	Mean Height: 24.89 ft	Building Code:	Creep Factor: 2.0	В
ı	Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.168	M
ı		MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.199	
ı		C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	
	- passing: 2	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
		GCpi: 0.18	Plate Type(s):		
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity _oc R+ /R-/Rw /U /RL /-/37 /23 Wind reactions based on C&C Brg Wid = 71.1 Min Req = Bearing A Fcperp = 565psi. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Truss designed for unbalanced snow loads.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



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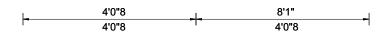
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

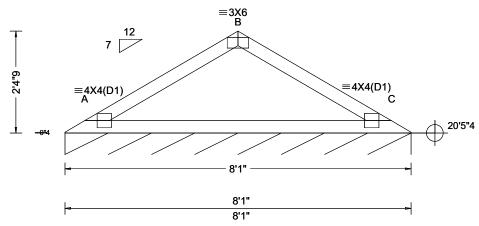
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SEQN: 61881 VAL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T34 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1353.50257 Truss Label: V3B / DF 06/13/2023





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.024 C 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.048 C 999 240		
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.010 C		
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.020 C		
NCBCLL: 10.00	Mean Height: 21.77 ft	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.396		
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.393		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000		
' "	Loc. from endwall: Any GCpi: 0.18				
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14		

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL R+ / R-/-/-/38

Wind reactions based on C&C Brg Wid = 97.0 Min Req = Bearing A Fcperp = 565psi.

Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Truss designed for unbalanced snow loads.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



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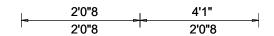
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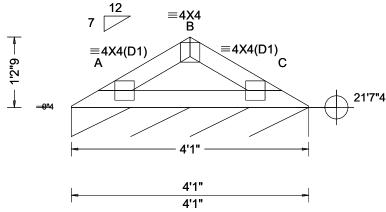
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SEQN: 61883 VAL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T50 Ply: 1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1353.49137 Truss Label: V3C / DF 06/13/2023





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.004 C 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.007 C 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.001 C	
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.003 C	
NCBCLL: 10.00	Mean Height: 22.36 ft	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.083	
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.107	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	
'	Loc. from endwall: Any			
	GCpi: 0.18	Plate Type(s):		
Wind Duration: 1.60		WAVE	VIEW Ver: 21.02.01.1216.14	

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity /Rw /U /RL R+ / R-/-/-/36

Wind reactions based on C&C Brg Wid = 49.0 Min Req = Bearing A Fcperp = 565psi.

Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Truss designed for unbalanced snow loads.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



06/13/2023

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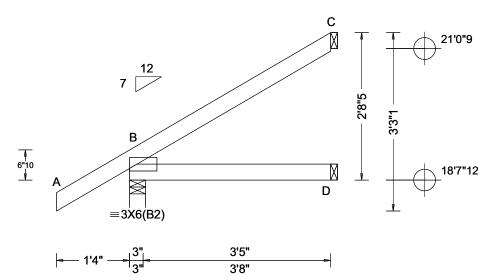
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61862 EJAC Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T54 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 27 DrwNo: 164.23.1354.33793 Truss Label: EJ1 / DF 06/13/2023



TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15	Wind Criteria Wind Std: ASCE 7-16 Speed: 115 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 19.88 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3 00 ft	Snow Criteria (Pg,Pf in PSF) Pg: 10.0 Ct: 1.1 CAT: II Pf: 7.7 Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C HORZ(TL): 0.002 B Creep Factor: 2.0 Max TC CSI: 0.171 Max BC CSI: 0.131 Max Web CSI: 0.000
Load Duration: 1.15 Spacing: 24.0 "			

▲ N	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	/ity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
В	253	/-	/-	/145	/106	/153	
D	68	/-	/-	/35	/-	/-	
С	90	/-	/-	/46	/81	<i>I</i> -	
Wi	nd read	ctions b	ased on C	C&C			
В	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Truss	s)	
D	Brg V	Vid = 1.	.5 Min F	Reg = -	,	•	
С	Brg V	Vid = 1.	.5 Min F	Req = -			
Be	aring B	Fcper	o = 565psi	i.			
Ме	mbers	not list	ed have fo	rces les	s than 3	375#	

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord. Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



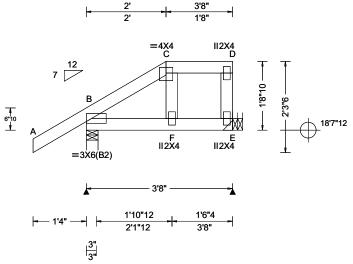
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 61869 Ply: 1 NEJA Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T16 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 3 DrwNo: 164.23.1354.32577 Truss Label: EJ2 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.012 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.024 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.007 C
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.014 C
NCBCLL: 10.00	Mean Height: 19.39 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.161
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.255
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.054
Opaonig. 2 1.0	Loc. from endwall: Any		
	GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):	
Wind Duration: 1.60		WAVE	VIEW Ver: 21.02.01.1216.14
t		ı	.1

	▲ M	▲ Maximum Reactions (lbs)							
		C	aravity	•	No	on-Gra	vity		
)	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL		
)	В	282	/-	/-	/-	/28	/-		
	Е	163	/-	/-	/-	/5	/-		
	Wir	nd rea	ctions ba	sed on N	MWFRS				
	В	Brg \	Vid = 3.5	Min F	Req = 1.5	(Trus	s)		
	Ε	Brg \	Vid = -	Min F	Req = -				
	Bea	aring E	3 Fcperp	= 565ps	i.				
	Mer	mbers	not liste	d have fo	orces les	s than	375#		
_	ł								

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Special Loads

60 plf at -1.33 to 5 plf at -1.33 to TC: From BC: From 60 plf at 5 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 31 lb Conc. Load at 2.06 BC: 35 lb Conc. Load at 2.06

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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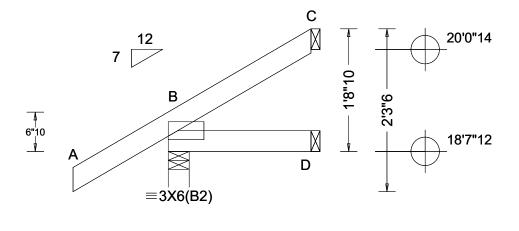
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SEQN: 61863 EJAC Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T52 Ply: 1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 2 DrwNo: 164.23.1354.31390 Truss Label: EJ3 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.001 C
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.001 C
NCBCLL: 10.00	Mean Height: 19.39 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.132
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.031
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	

WAVE

▲ Maximum Reactions (lbs)								
	G	ravity		No	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	202	/-	/-	/116	/113	/107		
D	35	/-	/-	/18	/-	/-		
С	31	/-	/-	/14	/46	/-		
Wir	nd read	ctions ba	ased on (C&C				
В	Brg V	Vid = 3.9	5 Min F	Req = 1.5	(Truss	s)		
D	Brg V	Vid = 1.5	5 Min F	Reg = -	•	•		
С	Brg V	Vid = 1.5	5 Min F	Reg = -				
Bearing B Fcperp = 565psi.								
Mer	nbers	not liste	d have fo	rces les	s than 3	375#		

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Wind Duration: 1.60

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord. Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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VIEW Ver: 21.02.01.1216.14

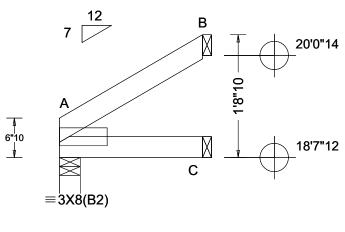
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

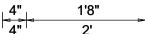
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SEQN: 61864 Ply: 1 EJAC Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T55 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1354.30207 Truss Label: EJ3A / DF 06/13/2023





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.001 B
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 19.78 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.059
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.036
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs)							
	G	avity		No	on-Gra	ivity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	83	/-	/-	/45	/8	/65	
С	38	/-	/-	/20	/-	/-	
В	56	/-	/-	/29	/64	/-	
Win	d read	ctions b	ased on (C&C			
Α	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)	
С	Brg V	Vid = 1.	5 Min F	Reg = -		-	
В	Brg V	Vid = 1.	5 Min F	Reg = -			
Bearing A Fcperp = 565psi.							
Men	nbers	not liste	ed have fo	orces les	s than	375#	

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord. Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING THE INSTALLERS

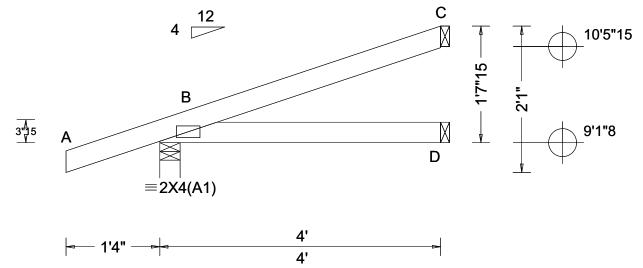
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61937 EJAC Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T58 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 5 DrwNo: 164.23.1354.29070 Truss Label: EJA / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.002 B
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.004 B
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.177
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.129
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
- - - - - - - - - -	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs)								
	G	ravity		No	on-Grav	vity		
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	270	<i>I</i> -	/-	/151	/185	/119		
D	68	/-	/-	/37	/-	/-		
С	94	/-	/-		/87	/-		
Wi	nd read	ctions b	ased on C	C&C				
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)		
D	Brg V	Vid = 1.	5 Min F	Req = -				
С	Brg V	Vid = 1.	5 Min F	Req = -				
Bearing B Fcperp = 565psi.								
Ме	mbers	not liste	ed have fo	rces les	s than 3	375#		

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord. Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

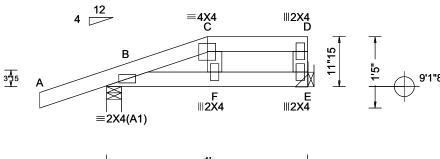
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SEQN: 61943 NEJA Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T60 Ply: 1 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 2 DrwNo: 164.23.1354.27917 Truss Label: EJB / DF 06/13/2023





	4'	
. 4140	4'	. 1
1'4"	4'	-

		•	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.015 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.028 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.005 C
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.009 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.152
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.222
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.059
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ M	axim	um Rea	ctions (II	os)			
	G	ravity	•	No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/RL	
В	297	/-	/-	/-	/13	/-	
Е	163	/-	/-	/4	/-	/-	
Win	d read	ctions b	ased on N	/WFRS			
В	Brg V	Vid = 3	5 Min F	Req = 1.5	(Trus	s)	
Ε	Brg V	Vid = -	Min F	Req = -	-	•	
Bea	ring B	Fcper	o = 565ps	i.			
Members not listed have forces less than 375#							
İ							

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Special Loads

-(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15) TC: From BC: From 60 plf at -1.33 to 4 plf at -1.33 to 60 plf at 4 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 26 lb Conc. Load at 2.06 27 lb Conc. Load at 2.06

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



06/13/2023 ABCD Engineering, PLLC NC COA 0838

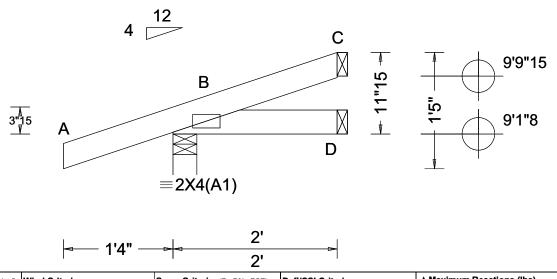
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SEQN: 61939 EJAC Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T8 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 2 DrwNo: 164.23.1354.26767 Truss Label: EJC / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.000 B
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.128
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.018
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
1.1	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Grav	vity −	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL	
В	209	/-	/-	/117	/172	/81	
D	27	/-	/-	/15	/-	/-	
С	26	/-	/-	/13	/32	/-	
Win	d read	ctions b	ased on C	C&C			
В	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)	
D	Brg V	Vid = 1.	.5 Min F	Reg = -			
С	Brg V	Vid = 1.	.5 Min F	Reg = -			
Bearing B Fcperp = 565psi.							
Mer	nbers	not list	ed have fo	rces les	s than 3	375#	

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Bottom chord checked for 10.00 psf non-concurrent

Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord. Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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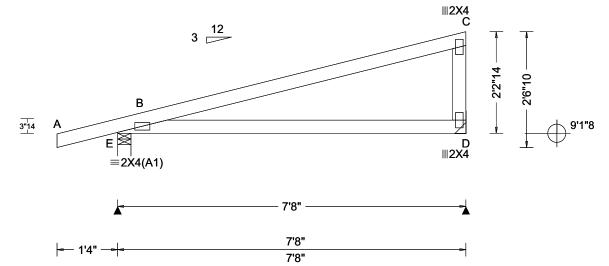
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 61865 Ply: 1 MONO Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T3 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 7 DrwNo: 164.23.1354.23233 Truss Label: M2 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.019 B
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.036 B
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.796
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.547
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.295
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs)						
Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Е	407	/-	/-	/203	/208	/128
D	291	/-	/-	/150	/137	/-
Win	nd read	ctions b	ased on 0	C&C		
E Brg Wid = 3.5 Min Reg = 1.5 (Truss)						
D Brg Wid = - Min Reg = -						
Bea	ring E	Fcper	= 565ps	i.		
Mer	nbers	not list	ed have fo	rces les	s than 3	375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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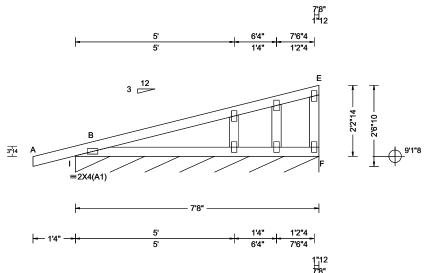
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SEQN: 61866 GABL Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T4 Ply: 1 FROM: WEB .1L1 ,3130B ,03/ ,R/01 Qty: 1 DrwNo: 164.23.1354.22120 Truss Label: M2GE / DF 06/13/2023



				7.0
Loading	Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.012 B 999 360
BCLL:	0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.021 B 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.004 B
Des Ld:	40.00	EXP: B Kzt: NA		HORZ(TL): 0.006 B
NCBCLL	: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.309
Load Du	ration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.177
Spacing:	24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.050
' '		Loc. from endwall: Any	FT/RT:20(0)/10(0)	
		GCpi: 0.18	Plate Type(s):	
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

▲ Maximum Reactions (lbs), or *=PLF						
Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
 *	114	/-	/-	/56	/66	/23
Wine	d read	ctions b	/- ased on 0	C&C		
l	Brg V	Vid = 92	2.0 Min F	Reg = -		
Bear	ring I	is a rigi	d surface.			
			ed have fo		a than	275#

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 3.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A11515ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other



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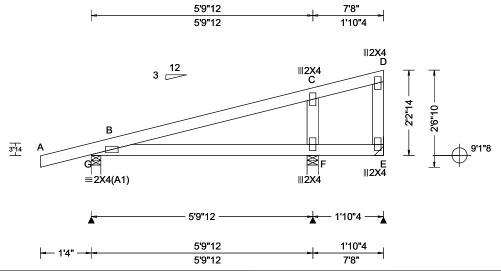
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SEQN: 61867 MONO Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T6 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 3 DrwNo: 164.23.1354.20923 Truss Label: M3 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): 0.017 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.034 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.005 B
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.010 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.352
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.243
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.065
, ,	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14

	▲ N	laxim	um Rea	ctions (II	os)		
		G	avity		No	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
)	G	298	/-	/-	/147	/159	/128
	F	442	/-	/-	/232	/204	/-
	Е	21	/-77	/-	/16	/24	/-
	Wir	nd rea	ctions b	ased on C	C&C		
	G	Brg V	Vid = 3.	0 Min F	Req = 1.5	(Truss	s)
	F	Brg V	Vid = 3.	5 Min F	Reg = 1.5	(Trus	s)
	Ε	Brg V	Vid = -	Min F	Req = -	•	
	Bea	arings	G&FF	cperp = 5	65psi.		
	Mei	mbers	not liste	ed have fo	rces les	s than 3	375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



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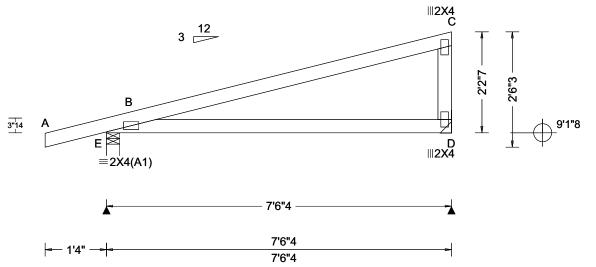
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 61868 MONO Ply: 1 Job Number: 76391 Cust: R 8976 JRef: 1XQI89760009 T9 .1L1 ,3130B ,03/ ,R/01 FROM: WEB Qty: 1 DrwNo: 164.23.1354.19313 Truss Label: M4 / DF 06/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 115 mph	Pf: 7.7 Ce: 1.0	VERT(LL): NA	١.
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA	
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.017 B	
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.034 B	ľ
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.761	
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.526	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.278	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.14	

	▲ M	axim	um Rea	actions (It	os)		
		G	ravity	•	No	on-Grav	/ity
	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
	Е	402	/-	/-	/200	/209	/127
.	D	402 285	/-	/-	/147	/136	/-
.	Win	d read	ctions b	ased on C	C&C		
		Brg V	Vid = 3	.5 Min F	Req = 1.5	(Truss	s)
	D	Brg V	Vid = -	Min F	Req = -		
	Bea	ring E	Fcper	p = 565psi	i.		
	Mer	nbers	not list	ed have fo	rces les	s than 3	375#
-							

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

Member design based on both MWFRS and C&C. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.



06/13/2023

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C, Kzt=1,00 Ex D Enclosed, Height, Mean 30, ASCE 7-16: Valley Detail

#2N, SPF #1/#2, DF-L #2 or better. SP #2N, SPF #1/#2, DF-L #2 or better SP #2N or SPF #1/#2 or better, SP #3, SPF #1/#2, DF-L #2 or better, Х Х Х 4 4 Webs Chord Chord Top Bot

ASCE 7-16, 30' Mean Height, Enclosed Bullding, Exp. C, Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 170 mph for SP (G = 0.55, min.), 155 mph for DF-L (G = 0.50, min.), or ** Attach each valley to every supporting truss with (2) 16d box (0.135" \times 3.5") nalls toe-nalled for 120 mph for HF & SPF (G = 0.42, min.). Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown. Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

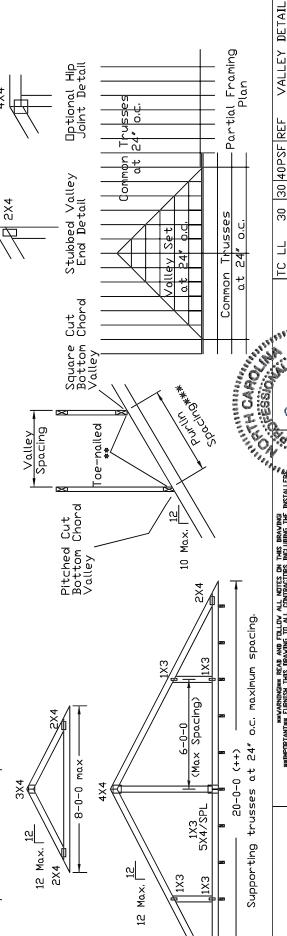
(0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7–9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box bracing as shown in DRWG BRCLBANC1014,

Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design. *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

Larger spans may be built as long as the vertical height does not exceed 14'-0‡





Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and cloud the distant estate define or BESI Galding Component Safety information, by 17 I and S1945 for safety practices prior to performing these functions. Installers shall provide temporary bracing for BESI. Installers and estate the ship of chord shall have properly oftsched representable shall have a properly of typic chord shall have properly of typic and soften chord shall have bracing installed per BESI sections \$3.87 or \$10, as applicable. Apply plates to ach fine of twus and position as shown above and on the Louis, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. ***WARNING|** READ AND FOLLOW ALL NOTES ON THIS DRAVING|
IMPORTANT FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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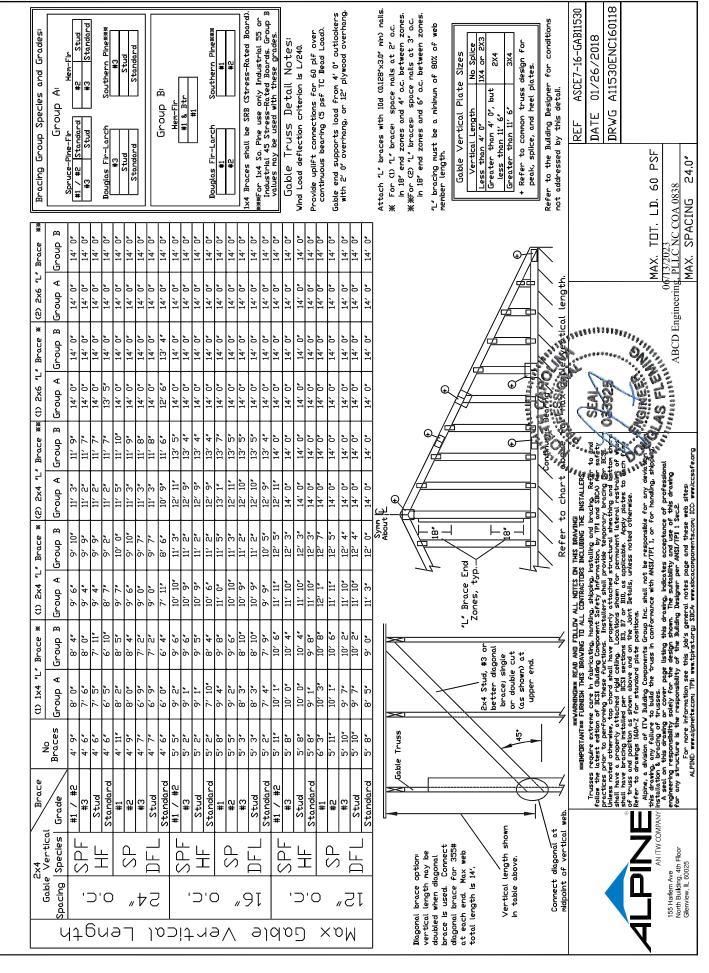
A seal or Anths drawing or crover page Itsing this forwing, befores acceptance of professional engineering responsibility solely for the design shown. The suftability and use of this drawing for any structure is the responsibility of the Building Besigner per ANSI/TPI 1 Sec.2.

nore information see this job's general notes page and these web sites: #walpheitw.com; TP1: www.tpinst.org; SBCA: www.sbca.components.com; ICC: www.tcsafe.org

DRWG VALTN160118 01/26/2018 DATE 7 PSF 10 PSF 0 PSF 55 57PSF 13 0 10 20 9 TOT, LD. BC LL 님 님 7

ABCD Engineering PLLC NC COA 0833 1.15 SACD SPACING 24.0" AS FLORING TO THE PARTY OF THE

1,00 П C, Kzt Enclosed, Exposure Detail Gable Stud Reinforcement 115 mph Wind Speed, 30' Mean Height, ASCE 7-16:



Stiffeners Closed, Exposure Requirements – 30' Mean Height, Residential Gable End Wind Bracing 120 mph, 7-16: ASCE Common

120 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp C, or 100 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp D, or 100 mph, 30ft. Mean Hgt, ASCE 7-16, Part. Enclosed, Exp C, Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements Top: Continuous roof sheathing Continuous ceiling diaphragm Top: Bot:

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail,

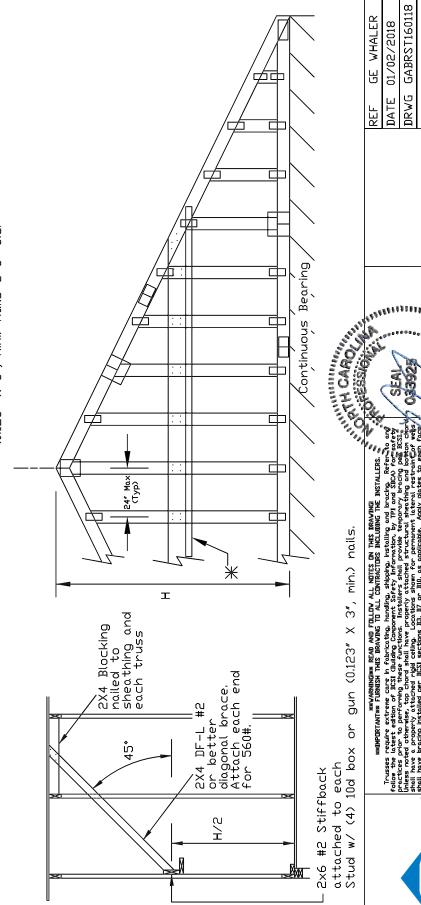
Nails: 10d box or gun (0,128"x3",min) nails.

H Less than 4'6" - no stud bracing required

Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC160118), I

provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC160118). Greater than 7/6" to 12'0" max: I

□ptional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0.128" x 3", min.) nails @ 6" o.c. Ж



AN ITW COMPANY 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

Trusses require extreme care in fobricating handing, shipping, install the Installers.

Trusses require extreme care in fobricating handing, shipping, installing and bracing. Refers to any follow the latest eathen of BSIS (Building Component Sofety information, by TR and SBAS) foreside by practices prior to performing these functions. Installers shall provide temporary bracing pea BSIS, fullishes noted otherwise, too ford shall have progred to the control shown from permonent takend nesting a position as along above and on the John the present estimation responsible for standard plate partitions.

Refer to drawing slide-Z for standard plate partitions.

Alpha, a division of ITV Building Components Group Inc. sail not be responsible for any deviding of trusses and earlier the truss in conformance with ANSI/TPI I, or for handling, shipping of trusses and earlier the truss in conformance with ANSI/TPI I, or for handling, shipping of trusses and earlier the truss in conformance with ANSI/TPI I Sec. Section 8 for the design shown. The subtability of the Building Designer per ANSI/TPI I Sec. Represented the responsibility of the Building Designer per ANSI/TPI I Sec. Represented the conformation see this job's general notes web sites:

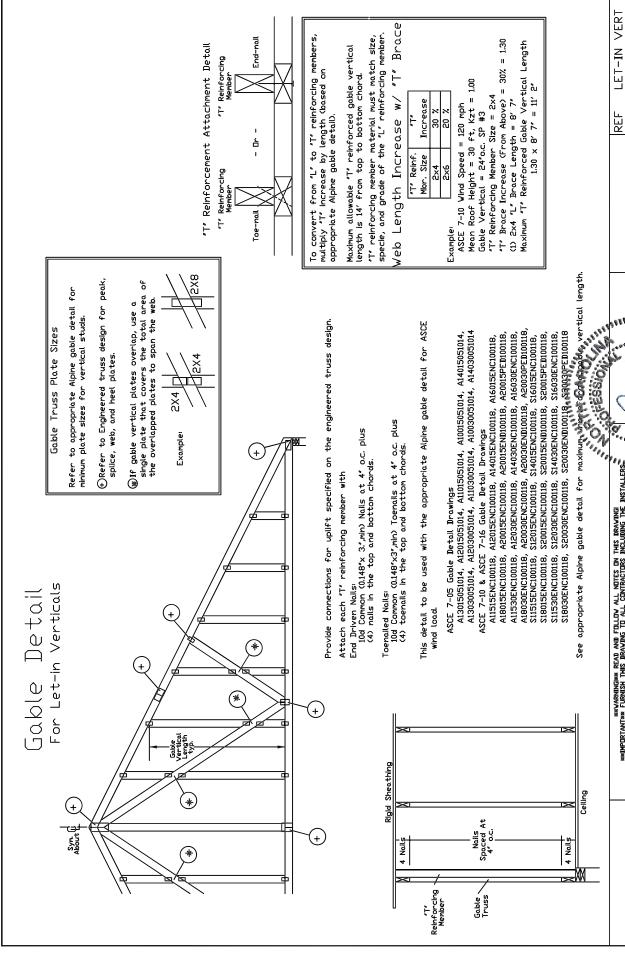
APPINE www.alpinetta.com | IPI www.tpinet.org/SEA www.sbocaconponents.com IDC www.alpinetta.com | IPI www.tpinet.org/SEA www.sbocaconponents.com IDC www.alpinetta.com | IPI www.tpinettorg/SEA www.sbocaconponents.com | IDC www.alpinetta.com | IPI www.tpinettorg/SEA | IPINE
ABCD Engineering AKT SPACING 0838 MAX. TOT. LD. 06/13/2023

GABRST160118

DRWG DATE RFF

GE WHALER

01/02/2018



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Trusses require extreme care in their cathology, shipping, installing and bracing. Refer to and procedure stream of 285 Stalling and procedure services as services to the control of 2851 Stalling Chopments Safety information, by 179 and 2851-96 services prior to performing these functions. Installers shall provide temporary bracing asset the control of 285 Stalling and provide temporary bracing asset the control of 285 Stalling and 285 Stalling Stal

AN ITW COMPANY

For nore information see this job's general notes page and these web sites: ALPINE: www.alpheitw.com, TPI: www.tchist.org, SBCA: www.sbca.components.com, ICC: www.lccsafe.org

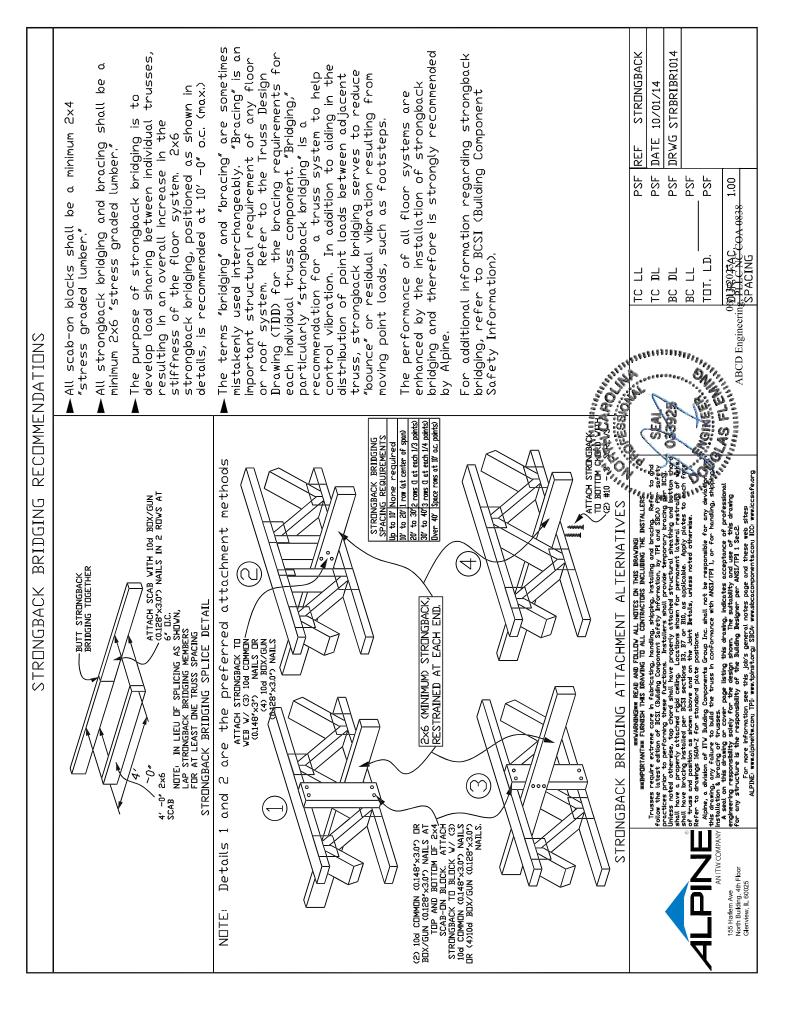
155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

DRWG MAX, TOT, LD, 60 PSF 24.0 ABCD Engineering Phy. CTACCOA 0808 MAX, SPACING AS PLEASE STATE OF THE PARTY OF

GBLLETIN0118

01/02/2018

DATE



Commentary

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs,
- characteristics between adjacent trusses. Compensates for different deflection
- and other long spans that can appear to "sag," Improves appearance of garage door headers
- from the gable to adjacent clear span trusses, Avoids "dips" in roof ridgelines at the transition

to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding location, direction, and magnitude of all loads attributable In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the loads

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration,

recommendations, or past experience may warrant using limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these The following tables are provided as guidelines for more stringent limitations.

Deflection and Camber

Depth of Truss at Deflection Point (inches) Span of Truss (inches)

Recommended Truss Deflection Limits

	Iruss Type Pitched Roof Trusses Floor of Room-In-Attic Trusses Flat or Shallow Pitched Roof Trusses Residential Floor Trusses Commercial Floor Trusses	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Deflection Limits Live Load To L/240 (vertical) L/18 L/360 (vertical) L/2 L/360 (vertical) L/2 L/480 (vertical) L/2	Limits Total Load L/180 (vertical) L/240 (vertical) L/240 (vertical) L/240 (vertical)
۸. '	Scissors Trusses	24	0,75" (horizontal)	1.25" (horizontal)
4				

<u>Iruss Type</u>	<u>Recommended Camber</u>
Pitched Irusses	1.00 x Deflection from Actual Dead Loc
Sloping Parallel	1.5 x Vertical Deflection from
Chord Trusses	Actual Dead Load
Floor Trusses	(0.25 × Deflection from Live Load) +

g

(0,25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection) Flat Roof Irusses

Actual Dead Load

Note: The actual dead load may be considerably less than the design dead load.



SECOND STATES THE BANKING AND FOLLOV ALL NOTES IN THIS DRAVING THE INSTALLERS.

Trequire extreme cone in fabricating, handling, shipping, installing and bracher to performing these functions. Installing and bracher is observed these functions. Installing and bracher is operating these functions. Installing and bracher is operating these functions. Installing and properly with chord shall be a properly with a properly with the shall be a properly w Trusses require extreme core in febricating, handing, shipping, installing and bracing. Refers to apility the total set eating of SSI (Stalling Corporarity Steety) information, by TPI and SBA/ Pole sately followed the totals estation of SSI (Stalling Corporarity Steety) information, by TPI and SBA/ Pole sately followed the practices prior to performing these functions. Installiers shall provide reproporate handing and eating a constitution of the property attached regid celling. Locations show for permanent lateral restraints of wages shall have bracing installed sen BXIS sections 31 37 or 1810, as applicable. Apply plates to each feat position as shown above and on the Joint Detail, unless noted otherwise.

Refer to drawings 1604-2 for standard plate positions.

Alpine, a division of ITV Balliding Component's Group Inc. shall not be responsible for any deviation of the truss in conformance with ANSI/TPI 1, or for handling, shipping installed the truss in conformance with ANSI/TPI 1, or for handling, shipping for any structure is the responsibility of the Balliding Designer per ANSI/TPI 1 sec.

A seal or this acceptance or professional engagement of professional engineering responsibility of the Balliding Designer per ANSI/TPI 1 sec.

A land or more information see this job's general notes age and the sew states are west sites and any structure is the responsibility of the Balliding Designer per ANSI/TPI 1 was land to the land to the Balliding Designer per ANSI/TPI 1 was land to the land to the Balliding Designer per ANSI/TPI 1 was land to the land to the land to the Balliding Designer per ANSI/TPI 1 was land to the land to the land to the Balliding Designer per ANSI/TPI 1 was the land to the

db/13/2023 ABCD Engineering, PLLC NC COA 0838 AS FIGURE 18

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DRWG DATE REF

DEFLEC/CAMB

10/01/14

П C, Kzt Enclosed, Exposure Detail Gable Stud Reinforcement 115 mph Wind Speed, 15' Mean Height, ASCE 7-16:

